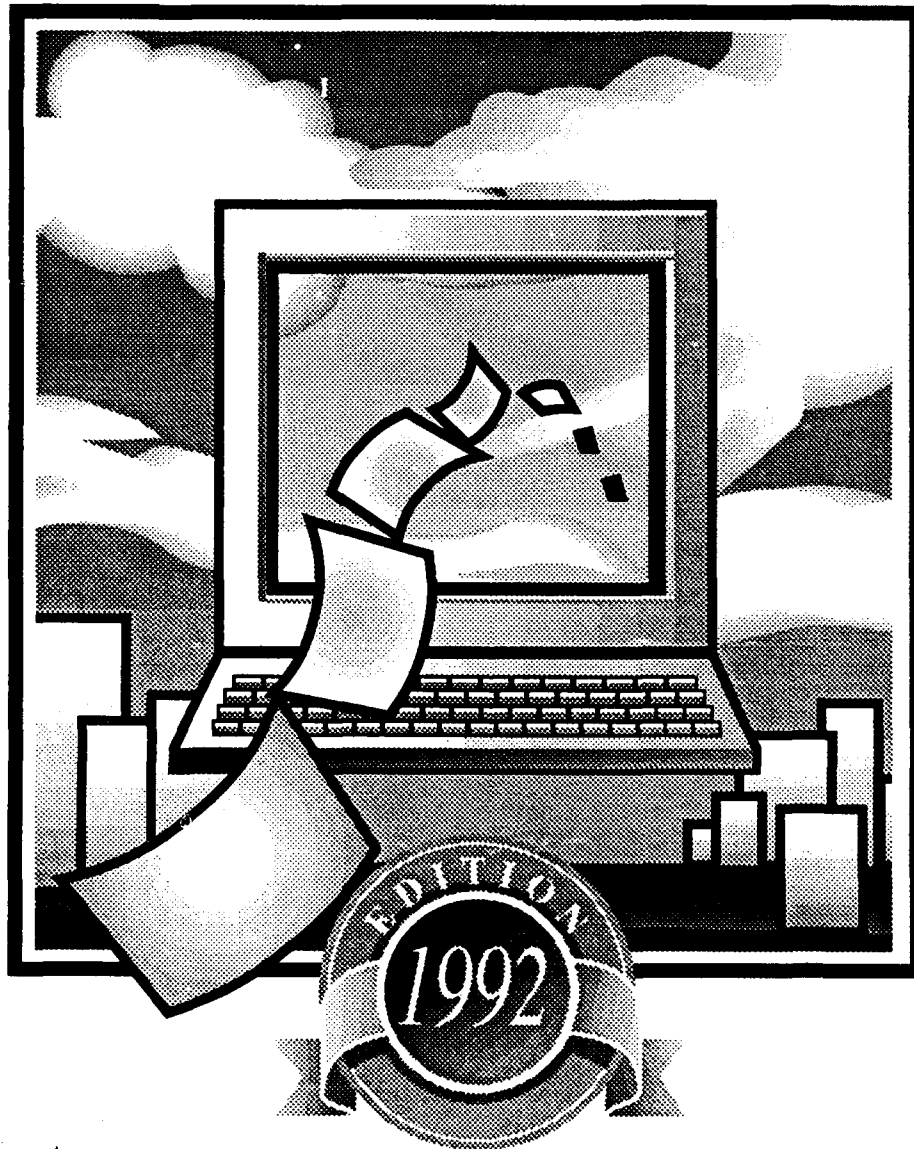


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A Guide to EDI Translation Software



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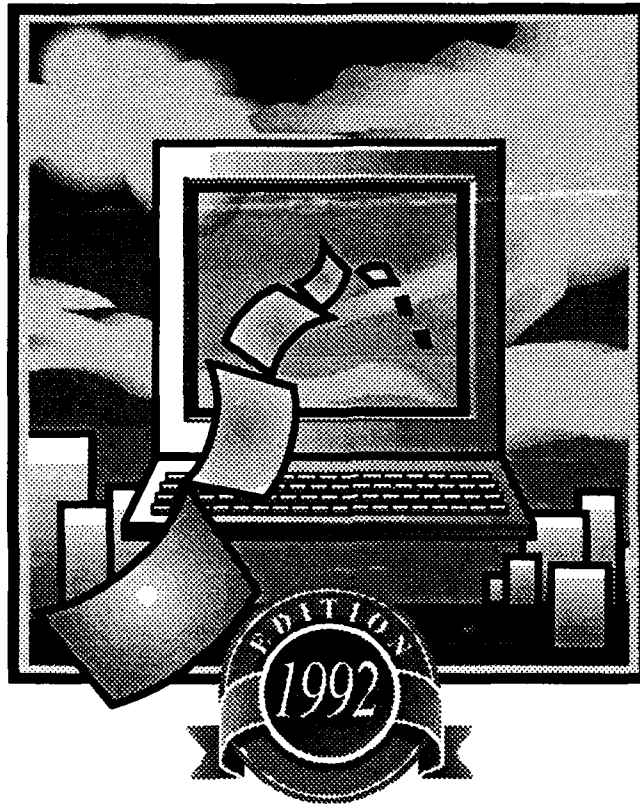
LOGISTICS MANAGEMENT INSTITUTE

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A Guide to EDI Translation Software



PL205RD1

Harold L. Frohman

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Bethesda, Maryland 20817-5886

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A GUIDE TO EDI TRANSLATION SOFTWARE

1992 Edition

This edition of *A Guide to EDI Translation Software, 1992 Edition* updates and expands the information presented in our previous version published in 1991. As in our earlier edition, the guide identifies and provides details on commercially available electronic data interchange (EDI) translation software packages. It was created to aid the Military Departments and Defense agencies as they procure software in support of the Department of Defense's (DoD's) EDI program for transportation. However, all DoD entities with an EDI program should find the guide useful.

In the guide, we identify a variety of EDI software packages, assess the key features of each package, detail a list of functions and features that could be contained within a particular software package, and highlight those features that we believe are required to meet the EDI needs of Defense transportation in specific operating environments. We also show how to use the guide to select EDI translation software.

We obtained information on the various translation software packages from product brochures and telephone interviews. We have not seen demonstrations of every software package, so we cannot endorse their effectiveness. Furthermore, we did not survey vendors that remarket EDI translation software products or that sell industry-specific (nontransportation) products. As in the preparation of the 1991 edition, some vendors did not respond to our requests for additional information.

The guide includes a glossary and six appendices. The glossary defines the acronyms used throughout the guide and the terminology used to describe the various EDI software functions and features.

Appendix A lists the EDI software vendors we contacted during the preparation of the guide. The vendors are grouped by the type of hardware required to use the software: microcomputer, minicomputer, or mainframe. In addition, Table A-1 identifies the vendors that were excluded from the guide and the associated reasons.

Both the vendor list and the table provide the vendor's address, telephone number, and point of contact.

Appendix B lists the EDI software vendors that offer Unix-based products. The list provides the vendor's address, telephone number, and point of contact.

Appendix C provides detailed information on each of the EDI translation software vendors identified in Appendix A. It focuses on the products offered by the vendors including the hardware operating environment, software pricing, availability on Federal procurement contracts, and third-party networks directly accessed by the software package.

Appendix D identifies 48 functions and features that could be contained within a particular EDI translation software package. It also indicates those functions that we regard as required to meet the EDI needs of Defense transportation in specific operating environments.

Appendix E presents the results of the telephone surveys. The information is categorized by the type of hardware required to use the software: microcomputer, minicomputer, or mainframe. It also provides details on some of the software functions highlighted in Appendix D.

Appendix F lists the steps to be followed when using the guide to select EDI translation software packages.

If you need further information on any of the EDI translation software vendors or the capabilities of their software, you may contact either the person listed below or the vendors directly:

Harold L. Frohman
Logistics Management Institute
6400 Goldsboro Road
Bethesda, MD 20817-5886
(301) 320-7286
A/V 287-2779/2127

GLOSSARY

DEFINITION OF ACRONYMS

AIAG	=	Automotive Industry Action Group
AIX	=	Advanced Interactive Executive
ANSI	=	American National Standards Institute
APL	=	A Programming Language
ASCII	=	American Standard Code for Information Interchange
AT	=	Advanced Technology
AT&T	=	American Telephone and Telegraph
BASIC	=	Beginners All Purpose Symbolic Instruction Code
BT	=	British Telecom
BTOS	=	Burroughs Operating System
CASE	=	computer aided software engineering
CEFIC	=	European Chemical Industry Federations
CICS	=	Customer Information Control System
CL	=	Control Language
CNCP	=	Canadian National/Canadian Pacific
COBOL	=	Common Business Oriented Language
CPU	=	central processing unit
CTOS	=	Convergent Technologies Operating System
CTX	=	Chrysler Telecommunication Exchange
DACOM	=	Data Communications Corporation of Korea
DB2	=	Database 2
DEC	=	Digital Equipment Corporation
DIBOL	=	Digital COBOL
DOS	=	disk operating system
DOS/VSE	=	disk operating system/virtual system extended
DR-DOS	=	Digital Research disk operating system

DTS	=	Document Transmission System
EBCDIC	=	Extended Binary Coded Decimal Interchange Code
EDI	=	electronic data interchange
EDIFACT	=	Electronic Data Interchange for Administration, Commerce, and Transport
EFT	=	electronic funds transfer
FORTRAN	=	Formula translator
FTS	=	Financial Transmission System
GE	=	General Electric
GEIS	=	General Electric Information Services
GM	=	General Motors
GSA	=	General Services Administration
HP	=	Hewlett-Packard
IBM	=	International Business Machines
ID	=	identification
IMS/DC	=	Information Management System/Data Communications
INGRES	=	Interactive Graphics and Retrieval System
LAN	=	local area network
MB	=	megabyte
MPE	=	multiprogramming executive
MSA	=	Management Science America
MS-DOS	=	Microsoft disk operating system
MVS	=	multiple virtual storage
NCR	=	National Cash Register
NWDA	=	National Wholesale Druggists Association
ODETTE	=	Organization for Data Exchange Teletransmission in Europe
PC	=	personal computer
PS/2	=	Personal System/2
QMF	=	Query Management Facility
RAM	=	random access memory
RDMS	=	relational database management system

RJE	=	remote job entry
RM COBOL	=	Rand McFarland Common Business Oriented Language
RMS	=	Release Management Systems
RPG	=	report program generator
SCO	=	Santa Cruz Operation
SPARC	=	scalable performance architecture
SQL	=	Structured Query Language
TAL	=	Tandem assembly language
TCIF	=	Telecommunications Industry Forum
TDCC	=	Transportation Data Coordinating Committee
TDF	=	transaction data file
TDSI	=	Telecommunications Data Systems International
TRADACOMS	=	Trading Data Communications Standards
TSO	=	timesharing operation
UCS	=	Uniform Communication Standard
VAN	=	value-added network
VAX	=	virtual address extension
VICS	=	Volunteer Interindustry Communication Standard
VLT	=	variable length translator
VMS	=	virtual memory system
VOS	=	virtual operating system
VS	=	virtual storage
WINS	=	Warehouse Industry Network Standard

DEFINITION OF TERMS

Application System Interface. A routine that extracts data from an application system database and creates fixed-length files in the vendor's format for subsequent translation to an EDI format. The reverse process is also applicable.

Automated Purging. A feature that automatically deletes archived transaction set data according to user-specified criteria, such as date ranges.

Automatic Recovery/Restart Capability. A routine that automatically recovers any data being processed and restarts the application in the event of a power failure or a communications failure.

Character Conversion Capability. Translation software that converts a sender's character set to the character set required by the receiver's computer (e.g., EBCDIC to ASCII).

Code Conversion Capability. The ability to convert an EDI standard data element code into a user-unique code.

Compatibility with Encryption and Authentication Package. A translation software package that can operate with an encryption and authentication package.

Communications Software. A software module that automatically dials the communications network and sends or receives EDI-formatted data.

Data Element Delimiter Table. A table of alternative data element delimiters that is maintained for each trading partner, thus accommodating the requirements of different trading partners.

Data Input Screens. A set of screens used to enter data into the translation software package for subsequent translation into an EDI format. (This feature is required when an application system does not reside on the user's computer.)

Error Reports. Reports of outbound or inbound transaction sets that do not comply with the EDI standards. (These reports are usually printed logs of each communications session presented in a non-EDI format easily understood by the user.)

Expandability. The ability to incorporate new functions, such as EDI transaction sets, into an existing translation software package.

Functional Acknowledgment Capability. The ability to send or receive a Functional Acknowledgment Transaction Set that indicates the status of each EDI transaction set transmission to or from a trading partner.

Functional Acknowledgment Reconciliation. The matching of transaction set messages with functional acknowledgments to identify the successful receipt of

information by trading partners and the highlighting of unacknowledged transaction sets that have been sent.

Help Screens. On-line screens that provide assistance in the use of specific translation software functions.

Inbound Standards Compliance Editing. The editing of data received from trading partners to determine whether they are in compliance with the EDI standards.

Inbound Transaction Set Reporting. The capability to print inbound transaction sets for audit trail purposes. (The date and time of every message received should be included in the report.)

Input Editing. A feature that permits the user to edit each field and segment of a transaction set as data are manually entered into a system in order to ensure compliance with EDI standards.

Installation Routines. Programs that automatically install translation software packages onto a computer with minimal user intervention.

Internal ID Number Duplication Control. A program that monitors the use of internal business document identification numbers, such as invoice numbers, to avoid duplicates.

Maintenance Support. EDI standard updates and software enhancements provided by the translation software vendor, usually for an annual fee.

Multiple Communications Interface. Translation software that allows communication with more than one telecommunications network, preferably in the same communication session.

Multiple Header Support. EDI translation software that supports multiple envelope headers including ISA and BG, depending on trading partner requirements.

Multiple Users. A feature that permits more than one person to use a translation software system concurrently. (On those personal computers that use DOS, a local area network typically provides this feature.)

Network Identification Table. A table containing network addresses, telephone numbers, and other related information needed to communicate with a trading partner through a telecommunications network.

Outbound Standards Compliance Editing. The editing of data sent to trading partners to determine whether they are in compliance with EDI standards.

Outbound Transaction Set Reporting. The capability to print outbound transaction sets for audit trail purposes. (The date and time of every message sent should be included in the report.)

Segment Terminator Table. A table of alternative segment terminators that is maintained for each trading partner, thus allowing for different communications network or trading partner requirements.

Selective Accessibility. A feature that limits user access to specific screens and functions.

System Entry Security. Features that provide system security through the use of passwords and/or user-identification codes.

Table-Driven Software Structure. EDI data elements and segments maintained in a table structure.

Technical Documentation. A narrative and graphic description of a system that provides technical personnel with sufficient details to "troubleshoot" portions of the translation software. (A data dictionary, a system flowchart, and all file structures are typically included in technical documentation.)

Trading Partner Profile. A profile of each trading partner that identifies the segments in a transaction set required by that trading partner.

Training. Vendor-offered training sessions that teach how to use their translation software package.

Transaction Set Archiving. EDI-formatted data that are saved on the computer for query purposes or for restoration in the event of a computer failure.

Transaction Set Consolidation Routines. Software that groups transaction sets by trading partner prior to transmission, thus reducing communications costs; if

more than one telecommunications network is used, the transaction sets are first grouped by network and then by trading partner.

Transaction Set Correction Capability. The ability to either correct an outbound standards compliance editing error in a front-end operating environment or modify transaction set data prior to transmission. (This capability should be provided in a format that does not require knowledge of EDI standards.)

Transaction Set Sequential Numbering. A routine that either assigns a sequential control number for all transmitted transaction sets for each trading partner or enables the receiver to determine whether a transaction set is missing from the transmission by checking the sequential numbers of inbound transactions.

Transmitted Characters. A report of the number of characters transmitted and the time and date of each transmission for each network. (The report allows the user to reconcile each network's bill.)

Tutorial Package. An interactive, on-line program that guides a user through a prescribed sequence of steps on using a particular translation software package.

Unattended Operations Capability. The ability to program the EDI translation software to automatically perform EDI-related processes such as sending or receiving EDI-formatted data at a user-specified time without operator presence.

User-Definable System Interface. Automated data-mapping procedures embedded in the EDI translation software package that create fixed- or variable-length files according to the user's requirements for subsequent translation to an EDI format. The reverse process is also applicable.

User-Defined Management Reports. Ad hoc management reports that can be created by the user, typically through a report generator embedded in the translation software package.

User-Defined Print Output A feature that permits the user to define the output format for printing manually entered data.

User Documentation. A nontechnical description of the translation software system and the operation of all system functions.

User Support (Hot Lines). Telephone support provided by a vendor to resolve any operating problems when using a translation software package.

User-Defined Data Input Screens. A set of user-defined screens for entering data into the translation software package for subsequent translation into an EDI format. These screens are presented in a non-EDI format that does not require knowledge of EDI standards.

Version Support. Translation software that supports the current and two previous releases of an EDI standard.

Version Support Table. A table that identifies the version of every EDI standard being used by each trading partner.

APPENDIX A

EDI TRANSLATION SOFTWARE VENDOR LIST

This appendix lists all the EDI translation software vendors contacted during the preparation of this guide. We have grouped the vendors according to the hardware required by their software: microcomputer, minicomputer, or mainframe. Those vendors excluded from the guide and our reasons are provided in Table A-1. Both the list and the table provide an address, telephone number, and point of contact for each vendor.

Microcomputer Software Vendors

Advanced Communications Systems
25054 Lorain Road
North Olmsted, OH 44070
Tom Palubinskas
Bob Stone
(800) 223-5424
(216) 779-5424

American Business Computer
1170 Eisenhower Place
Ann Arbor, MI 48108
Anne Hurtubise
(313) 973-6600

American Custom Software, Inc.
2420 Fisk Road
Cookeville, TN 38501
Robert Sparkman
(615) 537-6516

The APL Group, Inc.
644 Danbury Road
Wilton, CT 06897
Stuart Sawabini
(203) 762-3933

Baggerly & Associates
1420 N. Claremont Boulevard, Suite 209C
Claremont, CA 91711
Marketing Department
(714) 625-7917

Bell Atlantic Network Services, Inc.
1310 N. Courthouse Road, 7th Floor
Arlington, VA 22201
Marjorie MacArthur
(703) 974-3919

Birmingham Computer Group, Inc.
1471 S. Woodward Avenue, Suite 275
Bloomfield Hills, MI 48302
Chuck Townsend
(313) 333-7300

Blue Rainbow Software International
1899 Powers Ferry Road, Suite 330
Atlanta/Marietta, GA 30067
Hans Plotzender
(800) 258-3433

CANAC Telecom
151 Front Street West, Suite 514
Toronto, Canada M5J 2N1
Scott Beaver
(800) 668-2784
(416) 860-2815

CAN/AM Tech Inc.
205 South Main Street
Slippery Rock, PA 16057
Norm Morrison
(412) 794-5884

Data Dispatch Corporation
4375 Fair Lakes Court, Suite 2020
Fairfax, VA 22033-4234
Dave Hermens
(703) 818-0207

DIGIT Software, Inc.
P. O. Box 1425
Silver Spring, MD 20902
Todd Ross
(301) 593-8952

DNS Associates, Inc.
One Militia Drive, Suite B1
Lexington, MA 02173
Marketing Department
(617) 862-8569

Dynamic Business Systems
3256 W. 25th Street
Cleveland, OH 44109
Dennis Chatfield
(216) 398-6088

EDI Able, Inc.
Great Valley Corporate Center
20 Valley Stream Parkway, Suite 140
Malvern, PA 19355
Lawrence Spoerl
(800) 622-6118
(215) 993-0851

EDI, Inc.
19650 Club House Road
Gaithersburg, MD 20879
L. Dale Sortland
(301) 670-0811

EDICT Systems
1619 Mardon Drive
Dayton, OH 45432
Jason K. Wadzinski
(513) 429-4288

Electronic Data Systems
800 Tower Drive, 2nd Floor
Troy, MI 48007-7019
Kathleen Diz
(800) 365-8232

Foretell Corporation
155 North Pfingsten Road, Suite 210
Deerfield, IL 60015
Les Conklin
(708) 317-9000

General Electric Information Services
401 North Washington Street
Rockville, MD 20850
Dick Donohoe
James Motyka
(301) 340-4000

Grace Computer Resources, Inc.
204 Merchants Drive
Norcross, GA 30093
Roy Leffew, Jr.
(404) 939-1743

Harbinger*EDI Services
1800 Century Place, Suite 340
Atlanta, GA 30345
Deborah Gallagher
(404) 320-1636

Integrated Telecommunication Software Corp.
3586 NW 95th Terrace
Sunrise, FL 33351
Phil Keminsky
(305) 748-6878

Intercoastal Data Corp.
129 Bankhead Avenue
Carrollton, GA 30117
Randy Pete
(404) 834-6469

International Business Machines
3405 West Buffalo Avenue
Mail Drop S405A
Tampa, FL 33630
Mike McElroy
(813) 878-4118

LEK Product Marketing Company, Inc.
2226 E. 117th Street
Burnsville, MN 55337
Larry Kramer
(612) 895-0192

Lloyd Bush, Inc.
40 Broad Street
New York, NY 10004
Marcy McKinley
(212) 809-8560

MAXXUS, Inc.
140 Second Street, Suite 603
San Francisco, CA 94105
John Fountain
(415) 243-9690

Patrick Frantz Consulting
204 East Jefferson Street
Syracuse, NY 13202
Maryann Tracy
(315) 476-1564

Perwill EDI, Incorporated
6133 Rockside Road, Suite 402
Independence, OH 44131
Bill Bromley
(800) 969-3341
(216) 642-7565

Piedmont Systems, Inc.
4400 Silas Creek Parkway, Suite 300
Winston-Salem, NC 27104
Chuck Cloer
(919) 760-3620

RF Parker Consulting
815 North Broad Street
Grove City, PA 16127
Richard F. Parker
Jan W. Parker
(412) 458-7576

RMS, Inc.
17187 N. Laurel Park Drive, Suite 204
Livonia, MI 48152
John Bennett
(313) 462-1200

Sprint
1875 I Street, N.W.
Washington, DC 20006
Margot Wall
(202) 416-6234

**St. Paul Software
754 Transfer Road
St. Paul, MN 55114
Larry Haisting
(612) 641-0963**

**Sterling Software, ORDERNET Services Division
P. O. Box 7160
4600 Lakehurst Court
Dublin, OH 43017
Doug Stewart
Dave Dodge
(614) 793-7000**

**Supply Tech, Inc.
1000 Campus Drive
Ann Arbor, MI 48104
Daniel M. Faletti
(313) 998-4044**

**Synergistic Systems, Inc.
442 North 3rd Street
Neptune Beach, FL 32233
Ron Meison
Margo Noel
(904) 249-0201**

Minicomputer Software Vendors

Advantage Systems, Inc.
30680 Montpelier Drive, Suite 350
Madison Heights, MI 48071
David Williams
(313) 588-3480

American Business Computer
1170 Eisenhower Place
Ann Arbor, MI 48108
Anne Hurtubise
(313) 973-6600

Baggerly & Associates
1420 N. Claremont Boulevard, Suite 209C
Claremont, CA 91711
Marketing Department
(714) 625-7917

Birmingham Computer Group, Inc.
1471 S. Woodward Avenue, Suite 275
Bloomfield Hills, MI 48302
Chuck Townsend
(313) 333-7300

Blue Rainbox Software International
1899 Powers Ferry Road, Suite 330
Atlanta/Marietta, GA 30067
Hans Plotzender
(800) 258-3433

Cable & Wireless Communications, Inc.
1919 Gallows Road
Vienna, VA 01851
Local representatives
(800) 486-6367

CANAC Telecom
151 Front Street West, Suite 514
Toronto, Canada M5J 2N1
Scott Beaver
(800) 668-2784
(416) 860-2815

Digital Equipment Corporation
10 Tara Boulevard
Nashua, NH 03062
Mark Hayward
(603) 884-0676

DNS Associates, Inc.
One Militia Drive, Suite B1
Lexington, MA 02173
Marketing Department
(617) 862-8569

EDI, Inc.
19650 Club House Road
Gaithersburg, MD 20879
L. Dale Sortland
(301) 670-0811

EDI Solutions, Inc.
7760 France Avenue South, Suite 1140
Minneapolis, MN 55435
David L. Schenk
(612) 831-9000

Electronic Data Systems
800 Tower Drive, 2nd Floor
Troy, MI 48007-7019
Kathleen Diz
(800) 365-8232

Extol, Inc.
99 North Line Street
P. O. Box 29
Frackville, PA 17931
Anthony Baran
(717) 874-0695

Integral Systems, Inc.
14492 Sheldon Road, Suite 300
Plymouth, MI 48170
Sue DeMaester
(800) 234-7253
(313) 459-7760

Intercoastal Data Corp.
129 Bankhead Avenue
Carrollton, GA 30117
Randy Pete
(404) 834-6469

LEK Product Marketing Company, Inc.
2226 E. 117th Street
Burnsville, MN 55337
Larry Kramer
(612) 895-0192

MPACT EDI Systems, Inc.
17197 North Laurel Park Drive
Livonia, MI 48152
Don Hogan
(313) 462-2244

Perwill EDI, Incorporated
6133 Rockside Road, Suite 402
Independence, OH 44131
Bill Bromley
(800) 969-3341
(216) 642-7565

Piedmont Systems, Inc.
4400 Silas Creek Parkway, Suite 300
Winston-Salem, NC 27104
Chuck Cloer
(919) 760-3620

Premenos Corp.
1000 Burnett Avenue, Suite 200
Concord, CA 94520
Michael Nelson
(510) 602-2000

Radley Business Computers, Inc.
23077 Greenfield Road
Southfield, MI 48075
John Walczy
(800) 334-9934
(313) 559-6858

RMS, Inc.
17187 N. Laurel Park Drive, Suite 204
Livonia, MI 48152
John Bennett
(313) 462-1200

St. Paul Software
754 Transfer Road
St. Paul, MN 55114
Larry J. Haisting
(612) 641-0963

Sterling Software, ORDERNET Services Division
P. O. Box 7160
4600 Lakehurst Court
Dublin, OH 43017
Doug Stewart
(614) 793-7000

Trinary Systems, Inc.
38345 West Ten Mile Road, Suite 330
Farmington Hills, MI 48335
Michelle D. Crew
(313) 442-8540

TSI International
45 Danbury Road
P. O. Box 840
Wilton, CT 06897-0840
Ron Antini
(203) 761-8600

Userbase Systems, Inc.
9051 Executive Park Drive, Suite 300
Knoxville, TX 37923
Gary Neubert
(615) 691-0823

Mainframe Software Vendors

American Business Computer
1170 Eisenhower Place
Ann Arbor, MI 48108
Anne Hurtubise
(313) 973-6600

Digital Equipment Corporation
10 Tara Boulevard
Nashua, NH 03062
Mark Hayward
(603) 884-0676

EDI Solutions, Inc.
7760 France Avenue South, Suite 1140
Minneapolis, MN 55435
David L. Schenk
(612) 831-9000

General Electric Information Services
401 North Washington Street
Rockville, MD 20850
Dick Donohoe
James Motyka
(301) 340-4000

International Business Machines
3405 West Buffalo Avenue
Mail Drop S405A
Tampa, FL 33630
Mike McElroy
(813) 878-4118

Sterling Software, ORDERNET Services Division
P. O. Box 7160
4600 Lakehurst Court
Dublin, OH 43017
Doug Stewart
Dave Dodge
(614) 793-7000

Supply Tech, Inc.
1000 Campus Drive
Ann Arbor, MI 48104
Daniel M. Faletti
(313) 998-4044

TSI International
45 Danbury Road
P. O. Box 840
Wilton, CT 06897-0840
Ron Antini
(203) 761-8600

TABLE A-1
VENDORS NOT INCLUDED IN GUIDE

Company	Contact	Reason
Advantage Systems, Inc. 950 Winter Street, Suite 2100 Waltham, MA 02154	Carolyn Heller (617) 890-2400	Product is application specific; software is used to electronically move payments between banks and their trading partners.
AT&T 55 Corporate Drive Bridgewater, NJ 08807-6991	Barbara Peterson (201) 331-4272	For users of AT&T's EDI VAN services, will provide support for EDI translation software products developed by Premenos Corp.; EDI Solutions; Supply Tech, Inc.; and Unisys.
Base 2 Corporation 435 East Mill Street Plymouth, WI 53073	Paul Gutelius (414) 892-4566	Product has been developed primarily for automotive industry suppliers, retailers, and manufacturers.
Comprehensive Technologies International, Inc. 14500 Avion Parkway, Suite 250 Chantilly, VA 22021	Alfred Navarro (703) 803-2747	Product has been developed exclusively for health care industry.
Computer Power, Inc. P. O. Box 5568 Florence, SC 29502	Jim Curley (803) 665-0478	Requested to be excluded; product is primarily used by hospitals, industry, and electronics.
Dun & Bradstreet Software 3445 Peachtree Road, Northeast Atlanta, GA 30326	Frank Buchheit (404) 239-3411	Provides business applications that support EDI; EDI translator may only be purchased as part of application. Management Science America, Inc., merged with McCormick and Dodge to form Dun & Bradstreet Software.
Fritz Companies, Inc. P. O. Box 66215 AMF O'Hare International Airport Chicago, IL 60666	John Fitzgerald (708) 616-5600	Product has been developed exclusively for import and export companies.
Future Three Software, Inc. 33031 Schoolcraft Road Livonia, MI 48150	Sarah Eatherly (313) 261-5609	Product has been developed exclusively for the automotive industry.

TABLE A-1
VENDORS NOT INCLUDED IN GUIDE (Continued)

Company	Contact	Reason
Genzlinger Associates, Inc. Two Northfield Plaza, Suite 212 5700 Crooks Road Troy, MI 48098	Roger Marshall (313) 879-7070	Product has been developed exclusively for automotive industry and repetitive manufactures (auto and appliance).
Information and Financial Services Office Court, Suite 200 482 Norristown Road Blue Bell, PA 19422	John Gerdes (215) 834-1700	Remarkets DNS Associates, Inc.'s "EDI/Edge" product.
Innovative Computing Corporation 4300 Highline Boulevard, Suite 100 Oklahoma City, OK 73108	Don Wancura (405) 949-9070	Product is industry specific; translator can only be purchased as part of a trucking and transportation software package.
LDJ Computers, Inc. 42872 Mound Road Sterling Heights, MI 48314	Theresa D'Angelo (313) 254-8600	Product has been developed primarily for the automotive industry.
Logistics Concepts 8300 Logistics Drive Zeeland, MI 49464	Tom Hula (616) 772-0028	Product is industry specific; translation software can only be purchased as part of a warehousing software package. Also remarkets Information and Financial Service's "EDI/Edge" package.
Management Computer Systems 123 North Union Avenue Cranford, NJ 07016	David Walsh (908) 272-3080	Product has been developed exclusively for the food industry.
Manufacturing Systems, Inc. P. O. Box 52007 6700 Baum Drive, Suite 4 Knoxville, TN 37950	Walter Williams (615) 558-3001	Requested to be excluded; company only works with manufacturing companies located in East Tennessee.
National Systems Corporation 51 Madison Avenue 22nd Floor New York, NY 10010	Michael Gibbons (212) 679-6060	Company was acquired by Sterling Software. Product has been developed exclusively for the banking and finance industries.

TABLE A-1
VENDORS NOT INCLUDED IN GUIDE (Continued)

Company	Contact	Reason
Paper Free Systems, Inc. 733 15th Street, Northwest Suite 700 Washington, DC 20005	Dan Kazzazz (202) 628-6211	Provides EDI integration services; does not offer a translation software package for purchase. Offers a generic application interface program that can be integrated with most PC translation software products.
PLP Systems, Inc. 631 Doe Drive Murfreesboro, TN 37130	Bill Parrott (615) 896-0081	Remarkets EDI translation software products developed by American Business Computer, IBM, Premenos Corp. and Supply Tech, Inc.; also develops custom EDI software.
Prophet 21 19 West College Avenue Yardley, PA 19067	Debbie Dickerson (215) 493-8900	Product is a turnkey system developed primarily for industrial distribution users.
RAILINC Corporation 50 F Street, Northwest Washington, DC 20001	Joe Ready (202) 639-5580	Product has been developed exclusively for rail carriers.
Software Associates 219 Patterson Avenue Little Falls, NJ 07424	Joe Wells (201) 812-0900	Remarkets Sterling Software's EDI translation software packages; also performs EDI integration and customization services. Currently beta testing a generic application interface program that can be integrated with most PC translation software products.
TanData Corporation 700 TanData Plaza 1400 South Boston Avenue Tulsa, OK 74119	Daniel Biby (918) 585-1907	Remarkets the APL Group's translation software package, "QualEDI."

TABLE A-1**VENDORS NOT INCLUDED IN GUIDE (Continued)**

Company	Contact	Reason
Technalysis Corporation 6700 France Avenue Minneapolis, MN 55435	Jim Clark Gail Hildreth (612) 925-5900 Craig Moore (703) 821-3911	Remarkets IBM's "Data Interchange" translation software packages; also provides EDI system integration services.
Txbase Systems, Inc. 225 East Beaver Creek, Suite 200 Ontario, Canada L4B3P4	Ray Talwar (416) 771-8100	Product is industry specific; translator is sold as part of a manufacturing system on Unix platforms (translator is from Electronic Data Systems).
Universal Software, Inc. 170 Emory Road Marshfield, MA 02050	Norman Platt (617) 836-5011	Provides EDI communication software to EDI VANs for IBM DOS/VS(E) and MVS operating environments.
Vertical Systems, Inc. 2030 First Avenue, Suite 201 Seattle, WA 98101	George Cross (206) 441-8600	Provides EDI integration services; does not offer a translation software product for purchase.
World Trade Services, Inc. P. O. Box 569 Beaverton, OR 97075	Mark Anderson (800) 338-4333	Product has been developed primarily for international trade management.

APPENDIX B

UNIX-BASED EDI TRANSLATION SOFTWARE VENDOR LIST

Because of the increased demand for Unix-based EDI translation software, we have identified the vendors that offer Unix-based products. This appendix lists the vendor, the vendor's address, telephone number, and point of contact.

Unix-Based Software Vendors

American Business Computer
1170 Eisenhower Place
Ann Arbor, MI 48108
Anne Hurtubise
(313) 973-6600

Baggerly & Associates
1420 N. Claremont Boulevard, Suite 209C
Claremont, CA 91711
Marketing Department
(714) 625-7917

Birmingham Computer Group, Inc.
1471 S. Woodward Avenue, Suite 275
Bloomfield Hills, MI 48302
Chuck Townsend
(313) 333-7300

Blue Rainbow Software International
1899 Powers Ferry Road, Suite 330
Atlanta/Marietta, GA 30067
Hans Plotzender
(800) 258-3433

CANAC Telecom
151 Front Street West, Suite 514
Toronto, Canada M5J2N1
Scott Beaver
(800) 668-2784
(416) 860-2815

DNS Associates, Inc.
One Militia Drive, Suite B1
Lexington, MA 02173
Marketing Department
(617) 862-8569

EDI Solutions, Inc.
7760 France Avenue South, Suite 1140
Minneapolis, MN 55435
David L. Schenk
(612) 831-9000

Electronic Data Systems
800 Tower Drive, 2nd Floor
Troy, MI 48007-7019
Kathleen Diz
(800) 365-8232

Integrated Telecommunication Software Corp.
3586 NW 95th Terrace
Sunrise, FL 33351
Phil Keminsky
(305) 748-6878

LEK Product Marketing Company, Inc.
2226 E. 117th Street
Burnsville, MN 55337
Larry Kramer
(612) 895-0192

Perwill EDI, Incorporated
6133 Rockside Road, Suite 402
Independence, OH 44131
Bill Bromley
(800) 969-3341
(216) 642-7565

Piedmont Systems, Inc.
4400 Silas Creek Parkway, Suite 300
Winston-Salem, NC 27104
Chuck Cloer
(919) 760-3620

RMS, Inc.
17187 N. Laurel Park Drive, Suite 204
Livonia, MI 48152
John Bennett
(313) 462-1200

Sprint
1875 I Street, N.W.
Washington, DC 20006
Margot Wall
(202) 416-6234

St. Paul Software
754 Transfer Road
St. Paul, MN 55114
Larry Haisting
(612) 641-0963

Userbase Systems, Inc.
9051 Executive Park Drive, Suite 300
Knoxville, TX 37923
Gary Neubert
(615) 691-0823

APPENDIX C

VENDOR INFORMATION

This appendix provides detailed information on the products offered by each of the EDI software vendors, including hardware operating environment, product pricing, availability on General Services Administration or Department of Defense procurement contracts, and third-party networks directly accessed by the software.

Advanced Communications Systems

Address: 25054 Lorain Road
North Olmsted, OH 44070

Contact: Tom Palubinskas
Bob Stone

Phone: (800) 223-5424
(216) 779-5424

Product: ACSPCX12

Hardware/Operating System Environment: IBM compatible XT, AT, PS/2, with 20MB hard disk, 640K RAM, MS-DOS 3.0

EDI Standards Supported: TDCC, AIAG, X12, ANSI subsets

Pricing:

Basic Package Cost:

\$1,650; Outbound transaction sets cost an additional \$295 each; all inbound transaction sets are included

\$2,450; (Includes all outbound and inbound transaction sets.)

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$595

Maintenance Fee Includes: Software enhancements, standards updates, telephone support

Training Fee: On-site installation is available; call vendor

Additional Fees: Not available

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: Control Data; GEIS; RAILINC; CompuServe; Ford; GM; Walmart; Service Merchandise; IBM; CTX; BT Tymnet

Vendor Experience

Year Company Founded: 1985

Date Package First Available: 1987

EDI Professional Staff Resources

Technical Staff: 6

Hot Line: 2

Total: 15

Miscellaneous Information: Revenue is derived exclusively from EDI services.

Programming Language Used by Package: COBOL

Advantage Systems, Inc.

Address: 30680 Montpelier Drive, Suite 350
Madison Heights, MI 48071

Contact: David Williams

Phone: (313) 588-3480

Product: EDI Advantage

Hardware/Operating System Environment: IBM System 36, AS/400

EDI Standards Supported: X12

Pricing:

Basic Package Cost:

Includes two transaction sets and source code

System 36: \$3,000

AS/400: \$3,000 to \$9,000 depending on model

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: System 36 — \$400, AS/400 — \$450 to \$1,200 depending on model

Annual Maintenance Fee: 15 percent of installed software price

Maintenance Fee Includes: Hot line, standards updates, software enhancements

Training Fee: None

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: Control Data, BT Tymnet

Vendor Experience

Year Company Founded: 1984

Date Package First Available: 1986

EDI Professional Staff Resources

Technical Staff: 3

Hot Line: 1

Total: 5

Miscellaneous Information: Product was developed primarily for the automotive industry but is not restricted to that industry.

Programming Language Used by Package:

System 36 – RPG II

AS/400 – RPG 400

American Business Computer

Address: 1170 Eisenhower Place
Ann Arbor, MI 48108

Contact: Anne Hurtubise

Phone: (313) 973-6600

Product: EDE-PC (written for automotive industry)
EDI-ExCel/PC
EDI-ExCel/Unix
EDI-Server (intelligent gateway processor)

Hardware/Operating System Environment:

EDE-PC: IBM compatible PC

EDI-ExCel/PC: IBM compatible PC

EDI-ExCel/Unix: AT&T 3B family; NCR Tower (Unix or SCO Xenix); HP9000;
Gould-UX; IBM RS/6000; Arix; Sequoia; Sun; and others

EDI-Server: AT&T 3B family; NCR Tower; HP9000; IBM RS/6000

EDI Standards Supported: X12, TDCC, WINS, UCS

Pricing:

Basic Package Cost:

EDE-PC:	\$2,000	—	\$5,000
EDI-ExCel/PC:	\$3,000	—	\$8,000
EDI-ExCel/Unix:	\$5,000	—	\$35,000
EDI-Server:	\$15,000	—	\$100,000

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: EDE-PC, EDI-ExCel, and EDI-Server — 15 percent of retail software cost

Maintenance Fee Includes: Hot line, standards updates, software enhancements

Training Fee: Included if at vendor's location; if at user's location, travel and living expenses.

Additional Fees: Not available

GSA/DoD Schedules or Contracts: EDI-ExCel is available to DoD activities through the Air Force's Standard Multiuser Small Computer Requirements Contract (SMSCRC), Modification #24.

Networks Directly Accessed: GEIS; CompuServe; IBM; Kleinschmidt; ORDERNET; Telenet; Chrysler; Ford; GM; AT&T; BT Tymnet

Vendor Experience

Year Company Founded: 1976

Date Package First Available: EDE-PC: 1986; EDI-ExCel: 1989; EDI-Server: 1990

EDI Professional Staff Resources

Technical Staff: 15

Hot Line: 6

Total: 40

Miscellaneous Information: Vendor is owned by TSM Computing Group, a subsidiary of Thomas Monaghan, Inc. EDE-PC is sold as a "solution" product for the automotive industry; EDI-ExCel and EDI-Server are not industry specific.

Programming Language Used by Package:

EDE-PC: Available in both BASIC and C

EDI-ExCel: C

EDI-Server: C and Informix database

American Custom Software, Inc.

Address: 2420 Fisk Road
Cookeville, TN 38501

Contact: Robert Sparkman

Phone: (615) 537-6516

Product: BPT (Business Partner Translator)

Hardware/Operating System Environment: IBM compatible PC, XT, AT, PS/2, with 10MB hard disk, 640K RAM, MS-DOS 3.0 (will operate on Novell Network)

EDI Standards Supported: X12, ALAG, VICS, UCS, TDCC, WINS, GM, Ford

Pricing:

Basic Package Cost:

One trading partner: \$2,495

Multiple trading partners (includes setup for first 10 partners): \$3,995

After tenth partner: \$295 per transaction set

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: See above

Annual Maintenance Fee: 15 percent of software cost

Maintenance Fee Includes: EDI help desk, standards updates, software enhancements

Training Fee: On site: \$625 per day plus expenses

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; IBM; Control Data; Kleinschmidt; BT Tymnet; RAILINC; Sears; Harbinger; ORDERNET

Vendor Experience

Year Company Founded: 1984

Date Package First Available: 1988

EDI Professional Staff Resources

Technical Staff: 12

Hot Line: 5

Total: 19

Miscellaneous Information: First wrote EDI translation software for the automobile industry in 1984. Also provides consulting, implementation services, and EDI education.

Programming Language Used by Package: BASIC, C, Assembly

The APL Group, Inc.

Address: 644 Danbury Road
Wilton, CT 06897

Contact: Stuart Sawabini

Phone: (203) 762-3933

Product: QualEDI

Hardware/Operating System Environment: IBM compatible XT, AT, PS/2 with MS-DOS 3.1 or higher; recommend 16 megahertz or higher and a minimum 10MB hard drive

EDI Standards Supported: X12, TDCC, UCS, VICS, WINS, EDIFACT

Pricing:

Basic Package Cost:

Workstation single trading partner: \$1,650

Workstation multiple trading partners: \$2,500

Front-end single trading partner: \$2,500

Front-end multiple trading partners: \$3,200

(Vendor offers volume discounts)

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee:

Workstation single trading partner: \$475

Workstation multiple trading partners: \$575

Front-end single trading partners: \$575

Front-end multiple trading partners: \$700

Maintenance Fee Includes: Hot line, software enhancements, standards updates, and all transaction sets currently used as well as those requested in the future.

Training Fee: On site: \$500 per day plus travel and expenses

Additional Fees: Not available

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: BT Tymnet; ORDERNET; Kleinschmidt; GEIS; CompuServe; TranSettlements; RAILINC; Ford; AT&T; Telecom Canada; IBM; Sears; WalMart

Vendor Experience

Year Company Founded: 1983

Date Package First Available: 1984

EDI Professional Staff Resources

Technical Staff: 7

Hot Line: 6

Total: 20

Miscellaneous Information: Vendor also provides EDI project management consulting and will provide customized software configuration.

ANSI experience is primarily in the purchasing functions.

Programming Language Used by Package: APL, C, Assembly

Baggerly & Associates

Address: 1420 N. Claremont Boulevard, Suite 209C
Claremont, CA 91711

Contact: Marketing Department

Phone: (714) 625-7917

Product: *EDI*FOCUS*

Hardware/Operating System Environment: IBM compatible XT, AT, PS/2 with 20MB hard disk, 640K RAM, MS-DOS 3.0; DEC VMS; Unix platforms

EDI Standards Supported: X12, TDCC, VICS, WINS, UCS

Pricing:

Basic Package Cost:

PC: \$945 – Translator and data input screens only; applications system interface and communications software are not included.

\$2,495 – Interface to applications system (flat file) and host interface (permits computer to operate as a front-end computer).

DEC and Unix platforms: Call vendor

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$150 for *EDI*FOCUS*; \$450 for interface module; call vendor for maintenance prices on DEC and Unix platforms.

Maintenance Fee Includes: Standards updates, software enhancements, hot line

Training Fee: Varies depending on the extent of training required.

Additional Fees: Telephone support consultation; call for hourly rate.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: AT&T EasyLink; GEIS; IBM; BT Tymnet; AT&T

Vendor Experience

Year Company Founded: 1983

Date Package First Available: 1988

EDI Professional Staff Resources

Technical Staff: 8

Hot Line: 3

Total: 14

Miscellaneous Information: Vendor can also provide custom application development and implementation support.

Programming Language Used by Package:

PC: C

DEC and Unix platforms: INGRES

Bell Atlantic Network Services, Inc.

Address: 1310 N. Courthouse Road, 7th Floor
Arlington, VA 22201

Contact: Marjorie MacArthur

Phone: (703) 974-3919

Product: IntelliTrade
IntelliTrade Plus – includes communications software

Hardware/Operating System Environment: IBM compatible AT or PS/2 with MS-DOS 2.0 or higher

EDI Standards Supported: X12 and most subsets

Pricing:

Basic Package Cost:

\$799 if purchased at trading partner seminar; otherwise \$999

Additional Charge Per EDI Standard: \$15 – \$50

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$144 – \$480

Maintenance Fee Includes: Software enhancements, standards updates

Training Fee: None

Additional Fees: None

GSA/DoD Schedules or Contracts: EDI products are available to DoD on the Telecommunications Modernization Project (TEMPO) contract.

Networks Directly Accessed: Harbinger*EDI; ORDERNET; Sears; BT Tymnet; GEIS; IBM; hot line is included if Bell Atlantic's EDI VAN is used.

Vendor Experience

Year Company Founded: 1984

Date Package First Available: 4th quarter 1990

EDI Professional Staff Resources

Technical Staff: 3

Hot Line: 5

Total: 5

Miscellaneous Information: Bell Atlantic has an agreement with Harbinger*EDI Services to use Harbinger's InTouch*EDI products as the basis for the IntelliTrade products.

Programming Language Used by Package: C

Birmingham Computer Group, Inc.

Address: 1471 S. Woodward Avenue, Suite 275
Bloomfield Hills, MI 48302

Contact: Chuck Townsend

Phone: (313) 333-7300

Product: DOC-U-MAP: communications and translation software module with data mapping

Hardware/Operating System Environment: Unix; HP3000 (MPE); DEC VAX (VMS); IBM compatible XT, AT, PS/2, with MS-DOS 2.1 or higher, 10MB hard disk, 512K RAM (also operates with Novell Network and other LANs)

EDI Standards Supported: X12, TDCC, EDIFACT, Kmart, Sears, all automotive standards

Pricing:

Basic Package Cost:

Microcomputer: \$1,900 – \$9,200, includes one trading partner and DOC-U-MAP; \$1,000 for each additional trading partner

HP3000 and VAX: \$11,000 – \$35,000, includes one trading partner and DOC-U-MAP; \$1,500 for each additional trading partner

Unix platforms: \$11,200, unlimited trading partners, all EDI standards, and DOC-U-MAP

Additional Charge Per EDI Standard: Microcomputer: \$1,900; HP3000, VAX: \$4,500

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: 12 percent of purchase price

Maintenance Fee Includes: Standards updates, hot-line support, new software releases

Training Fee: \$60 per hour at vendor location; on site, travel and living expenses are extra.

Additional Fees: Source code available for \$15,000

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: IBM; GEIS; Control Data; BT Tymnet; and other major vendors

Vendor Experience

Year Company Founded: 1984

Date Package First Available: 1985

EDI Professional Staff Resources

Technical Staff: 6

Hot Line: 3

Total: 9

Miscellaneous Information: Other services available include order entry systems, manufacturing materials requirement planning software systems, bar coding systems, and consulting.

Programming Language Used by Package: COBOL

Blue Rainbow Software International

Address: 1899 Powers Ferry Road, Suite 330
Atlanta/Marietta, GA 30067

Contact: Hans Plotzender

Phone: (800) 258-3433

Product: MULTINET/36, /38, /400
MULTINET/AIX
MULTINET/HP-UX
MULTINET/SUN
MULTINET/PC
MULTINET/2

Hardware/Operating System Environment: IBM compatible PC AT, 386, or 486 with MS-DOS 5.0 or higher, or OS/2; AS/400; System 36; System 38; IBM RS/6000 (AIX); HP9000 (HP-UX); SUN (SUN-OS)

EDI Standards Supported: X12, TDCC, UCS, WINS, EDIFACT, TRADACOMS

Pricing:

Basic Package Cost:

MULTINET/400: \$4,900 – \$28,000

MULTINET/38: \$9,000

MULTINET/36: \$5,700

MULTINET/AIX/HP-UX,/SUN: \$4,900 – \$21,000

MULTINET/PC: \$3,550

MULTINET/PC w/data entry toolkit: \$5,650

MULTINET/2: \$4,500

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: MULTINET/PC and MULTINET/2: 20 percent of current purchase price or no fee and \$2 per minute for a 900 telephone support number (30-day money back guarantee). All other products: first 6 months are free, then 15 percent of current purchase price (100-day money back guarantee).

Maintenance Fee Includes: Hot line, standards updates, and software enhancements

Training Fee: Product training is included in purchase price. Three days of EDI education is \$595 per person at vendor site.

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: All major VANs.

Vendor Experience

Year Company Founded: 1986

Date Package First Available: 1988

EDI Professional Staff Resources

Technical Staff: 10

Hot Line: 11

Total: 31

Miscellaneous Information: Vendor provides turn-key solutions and EDI integration services.

Programming Language Used by Package:

MULTINET/36, /38, /400: RPG

Other products: C++

Cable & Wireless Communications, Inc.

Address: 1919 Gallows Road
Vienna, VA 01851

Contact: Local Representatives throughout United States

Phone: (800) 486-6367

Product: EDI*CENTRAL™ Software for the Wang VS

Hardware/Operating System Environment: Wang VS computers, VS Operating System Version 7.10.00 or greater

EDI Standards Supported:
Sold in three "Standard Sets":
ANSI X12 plus VICS
TDCC plus UCS and WINS
EDIFACT (including CEFIC)

Pricing:

Basic Package Cost: \$8,500, \$13,000, or \$19,000 depending on model of VS computer. (Includes Translator, Translator Interface, and the On-line Interface)

Additional Charge Per EDI Standard: One "standard set" free, second and third are \$2,000 each.

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$1,300; \$2,000; or \$2,900 depending on VS model

Maintenance Fee Includes: Software enhancements, standards updates

Training Fee:

ANSI X12 Class (on-site, 8 attendees)—\$1,000 plus instructor's travel and expenses

EDI*CENTRAL for the Wang VS Implementor's Class—on-site, 8 attendees, \$3,000 plus travel and living expenses

EDI*CENTRAL: \$3,000 for 8 attendees on-site; travel and living expenses are extra

Additional Fees:

Optional on-site installation – \$1,000 plus expenses

Optional application integration consulting (mapping and customization) – \$8,000 for the first transaction set; \$5,000 for each additional transaction set.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: Requires Wang communications software to access EDI VANs.

Vendor Experience

Year Company Founded: 1987

Date Package First Available: 1989 for Wang VS. (GEIS introduced the first version of EDI*CENTRAL in 1986.)

EDI Professional Staff Resources

Technical Staff: Not available

Hot Line: Not available

Total: Not available

Miscellaneous Information: EDI*CENTRAL Software for the Wang VS is a derivative version of GE Information Services' EDI*CENTRAL Software. It is sold, installed, and supported solely by Cable & Wireless Communications, Inc. EDI*CENTRAL is a trademark of General Electric Company, U.S.A. In function, EDI*CENTRAL Software for the Wang VS is almost identical to the GEIS EDI*CENTRAL package.

Programming Language Used by Package: ANSI 74 COBOL (Requires Wang COBOL Compiler Version 5.20.01 or greater.)

CANAC Telecom

Address: 151 Front Street West, Suite 514
Toronto, Canada M5J 2N1

Contact: Scott Beaver

Phone: (800) 668-2784
(416) 860-2815

Product: Pro-EDI

Hardware/Operating System Environment: IBM compatible PC with MS-DOS; Midrange HP; Unix. Also LAN compatible.

EDI Standards Supported: X12, TDCC, UCS, VICS, WINS

Pricing:

Basic Package Cost:

PC: \$4,700

PC LAN Version: \$6,700

HP: Call vendor

Unix: Call vendor

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: PC: \$750; first year is free

Maintenance Fee Includes: Toll-free hot line, standards updates, software enhancements

Training Fee: One day included in purchase price

Additional Fees: N/A

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: All major networks

Vendor Experience

Year Company Founded: 1928

Date Package First Available: May 1991

EDI Professional Staff Resources

Technical Staff: Over 20

Hot Line: Over 5

Total: Over 25

Miscellaneous Information:

Programming Language Used by Package: MicroFocus COBOL

CAN/AM Tech Inc.

Address: 205 South Main Street
Slippery Rock, PA 16057

Contact: Norm Morrison

Phone: (412) 794-5884

Product: E-Z Order

Hardware/Operating System Environment: IBM compatible XT, AT, PS/2 with MS-DOS 3.0, 20MB hard disk, 640 RAM

EDI Standards Supported: X12, TDCC, EDIFACT

Pricing:

Basic Package Cost: \$1,495 (includes communications and first year maintenance)

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$300

Maintenance Fee Includes: Upgrades to standards, software enhancements, hot line, reduced rate on any additional transaction sets required in the future

Training Fee: None

Additional Fees: \$500 per day for customized data entry screens, reports, and flat-file interfaces

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; Infonet; Sears; IBM. (Additional networks can be accessed upon request.)

Vendor Experience

Year Company Founded: 1985

Date Package First Available: 1987

EDI Professional Staff Resources

Technical Staff: 2 plus contract programmers

Hot Line: 2

Total: 4

Miscellaneous Information: Vendor's software can be used to create electronic catalogs.

Programming Language Used by Package: Borland Turbo C

Data Dispatch Corporation

Address: 4375 Fair Lakes Court, Suite 2020
Fairfax, VA 22033-4234

Contact: Dave Hermens

Phone: (703) 818-0207

Product: EDI/SYNAPSE

Hardware/Operating System Environment: IBM compatible XT, AT, PS/2 with MS-DOS 3.0, or higher, 10MB hard disk, 640K RAM

EDI Standards Supported: X12, TDCC, EDIFACT

Pricing:

Basic Package Cost: Determined by distributor

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: Determined by distributor

Maintenance Fee Includes: Updates to standards, software enhancements, telephone support

Training Fee: Determined by distributor

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: RAILINC (uses a proprietary interchange envelope header); GEIS; IBM; ORDERNET

Vendor Experience

Year Company Founded: 1983

Date Package First Available: 1986

EDI Professional Staff Resources

Technical Staff: 3

Hot Line: 1

Total: 5

Miscellaneous Information: Sold exclusively through distributors, including RAILINC Corporation.

Programming Language Used by Package: C

DIGIT Software, Inc.

Address: P. O. Box 1425
Silver Spring, MD 20902

Contact: Todd Ross

Phone: (301) 593-8952

Product: MacEDI

Hardware/Operating System Environment: Apple Macintosh

EDI Standards/Transaction Sets Supported: X12, TDCC, WINS, VICS, UCS, EDIFACT

Pricing:

Basic Package Cost: \$1,950 for transaction manager; data mapper available for additional fee.

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: \$300 per data map; no charge if the data mapper is purchased.

Annual Maintenance Fee: \$400

Maintenance Fee Includes: Software enhancements, hot line, standards updates, data map updates

Training Fee: Not available

Additional Fees: Communications software may be purchased.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: AT&T; BT Tymnet; ORDERNET; IBM; GEIS; Control Data; RAILINC; Sears; Kleinschmidt

Vendor Experience

Year Company Founded: 1988

Date Package First Available: 1988

EDI Professional Staff Resources

Technical Staff: 3

Hot Line: 3

Total: 3

Miscellaneous Information:

Programming Language Used by Package: C

Digital Equipment Corporation

Address: 10 Tara Boulevard
Nashua, NH 03062

Contact: Mark Hayward

Phone: (603) 884-0676

Product: DEC/EDI – includes EDI translator and communications server.
FileBridge – supports table-driven mapping to an existing application.

Hardware/Operating System Environment: DEC VAX (VMS), IBM MVS/CICS

EDI Standards Supported: X12, TDCC, EDIFACT, VICS, WINS, UCS, ODETTE

Pricing:

Basic Package Cost:

DEC/EDI: \$10,000 and up depending on processor size

DEC/EDI, FileBridge, and Start-up Services: From \$27,000

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: Fee varies based on service and warranty contract; average is 15 percent of software purchase price.

Maintenance Fee Includes: Depends on service and warranty contract purchased.

Training Fee: Varies

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; BT Tymnet; AT&T; Harbinger; IBM; Sears; Sprint; ORDERNET; Telecom Canada

Vendor Experience

Year Company Founded: 1957

Date Package First Available: 1990

EDI Professional Staff Resources

Technical Staff: Not available

Hot Line: Not available

Total: Not available

Miscellaneous Information: Vendor provides business and technical consulting services.

Programming Language Used by Package: C

Vendor also offers HostBridge for DEC/EDI, which is an add-on product that integrates client applications on IBM System 370 and System 390 processors running under MVS/CICS with any VAX/VMS-based processor running DEC/EDI and FileBridge for DEC/EDI software.

DNS Associates, Inc.

Address: One Militia Drive, Suite B1
Lexington, MA 02173

Contact: Marketing Department

Phone: (617) 862-8569

Product: EDI/Entry – a system without an application interface
EDI/Edge

Hardware/Operating System Environment: Any MS-DOS computer with 40MB hard disk, 640K RAM, MS-DOS 2.0; 386 computers with Xenix or Unix; RS/6000; Motorola; Sequent; HP; DEC VAX (VMS or Ultrix); Apollo; Gould. (Company will port translator to any Unix platform.)

EDI Standards Supported: X12, TDCC, WINS, UCS, EDIFACT

Pricing:

Basic Package Cost:

EDI/Entry: \$1,500

EDI/Edge: \$2,500

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$500

Maintenance Fee Includes: Toll-free hot line, standards updates, software enhancements

Training Fee: \$500 for 2-day class

Additional Fees: Partner sets – various prices

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: BT Tymnet; GEIS; CompuServe; Kleinschmidt; Control Data; IBM; Western Union; AT&T; ORDERNET; Harbinger; Sears

Vendor Experience

Year Company Founded: 1979

Date Package First Available: 1986

EDI Professional Staff Resources

Technical Staff: 11

Hot Line: 3

Total: 14

Miscellaneous Information: Vendor can provide consulting and implementation services.

Programming Language Used by Package: C

Dynamic Business Systems

Address: International Business Center
3256 W. 25th Street
Cleveland, OH 44109

Contact: Dennis Chatfield

Phone: (216) 398-6088

Product: Trans-Sync

Hardware/Operating System Environment: IBM compatible PC, XT, AT, 386 with MS-DOS 3.3; 386 is recommended. (Also supports Novell network.)

EDI Standards Supported: X12, TDCC

Pricing:

Basic Package Cost: \$2,895 (includes maintenance for first year)

Additional Charge Per EDI Standard: None; maintained by user

Additional Charge Per Transaction Set: None; maintained by user

Annual Maintenance Fee: \$600

Maintenance Fee Includes: Software enhancements, hot line

Training Fee: \$75 per hour (on-site installation and training at no cost in local area)

Additional Fees: \$75 per hour for customization

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; Sears; BT Tymnet; RAILINC; ORDERNET; GM; IBM; Chrysler; Ford

Vendor Experience

Year Company Founded: 1985

Date Package First Available: 1986

EDI Professional Staff Resources

Technical Staff: 3

Hot Line: 2

Total: 5

Miscellaneous Information: Integrated with MAS90 application software.

Programming Language Used by Package: C

EDI Able, Inc.

Address: Great Valley Corporate Center
20 Valley Stream Parkway, Suite 140
Malvern, PA 19355

Contact: Lawrence Spoerl

Phone: (800) 622-6118
(215) 993-0851

Product: FrEDI

Hardware/Operating System Environment: IBM compatible PC with MS-DOS

EDI Standards Supported: X12, TDCC, UCS, WINS, UCS

Pricing:

Basic Package Cost: \$995 – \$3,495

Special pricing programs are available to Government trading partners.

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: \$49 – \$295

Annual Maintenance Fee: \$295 – \$1,095

Maintenance Fee Includes: Toll-free hot line, standards updates, software enhancements

Training Fee: No charge for installation via telephone; on-site installation and training varies by location.

Additional Fees: Proprietary formats, programming, and consulting

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: Remarkets AT&T, IBM, BT Tymnet, and Sears EDI VAN services; provides full support. Will provide connectivity to other VANs upon request.

Vendor Experience

Year Company Founded: 1982

Date Package First Available: 1987

EDI Professional Staff Resources

Technical Staff: 9

Hot Line: 11

Total: 35

Miscellaneous Information: A relational database, Dbase, has been integrated into FrEDI. Vendor is currently developing a health-care-based EDI product that will be available on the IBM RS/6000.

Programming Language Used by Package: R/Basic, C

EDI, Inc.

Address: 19650 Club House Road
Gaithersburg, MD 20879

Contact: L. Dale Sortland

Phone: (301) 670-0811

Product: TELINK

Hardware/Operating System Environment: IBM compatible XT, AT, PS/2, with minimum 20MB hard disk, 640K RAM, MS-DOS 3.1 or higher; Tandem mainframes; Unisys 6000 Series

EDI Standards Supported: X12, TDCC, UCS, WINS

Pricing:

Basic Package Cost:

Microcomputer: \$3,500, includes the 997 functional acknowledgment and one additional transaction set, one communication interface, and first year maintenance

Tandem: \$25,000 – 37,000, includes 4 transaction sets

Unisys: \$11,200 – 22,500, includes 4 transaction sets

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: Microcomputer: \$300; Tandem: \$500; Unisys: \$500

Annual Maintenance Fee: Microcomputer: \$750; Tandem and Unisys: 15 percent of software cost

Maintenance Fee Includes: Standards updates, hot line, software enhancements

Training Fee: \$525 per person for 1½ days at vendor location for PC-based package; Tandem- or Unisys-based packages are \$1,000 per day plus expenses at on-site location.

Additional Fees: Many optional software modules are available; call vendor for prices.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; ORDERNET; Kleinschmidt; BT Tymnet; RAILINC; Control Data; Telecom Canada; TranSettlements; Western Union; IBM; CompuServe; Sears; AT&T; Harbinger; Sprint; DACOM; Global VAN Japan; Ford

Vendor Experience

Year Company Founded: 1982

Date Package First Available: 1984

EDI Professional Staff Resources

Technical Staff: 14

Hot Line: 3

Total: 35

Miscellaneous Information: Vendor also markets an EFT product, "MONEYLINK", and provides consulting services.

Programming Language Used by Package:

Microcomputer: FORTRAN 77

Tandem: FORTRAN 77 and C

Unisys: FORTRAN 77 and C

EDI Solutions, Inc.

Address: 7760 France Avenue South, Suite 1140
Minneapolis, MN 55435

Contact: David L. Schenk

Phone: (612) 831-9000

Product: EDItran – Translation management system
EDImap – User-definable application interface system
EDIfast – Realtime translation management system

Hardware/Operating System Environment: IBM MVS (DOS/VSE); DEC VAX (VMS); HP (MPE/V, MPE/XL); Stratus (VOS); Unix for HP9000, RS/6000, Sun, AS/400, and IBM compatible PC

EDI Standards Supported: X12, TDCC, EDIFACT, VICS, UCS, WINS

Pricing:

Basic Package Cost:

Price is based on hardware configuration and includes source code.

EDItran: \$19,000 – \$45,000

EDImap: \$2,000 – \$5,000

EDIfast: \$60,000 – \$75,000

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: First year is free; then 15 percent of the current purchase price.

Maintenance Fee Includes: Hot line, software enhancements, standards updates

Training Fee: 2 days of on-site installation are included in basic package cost.

Additional Fees: Quoted by project; \$110/hour base fee.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: Software is network independent.

Vendor Experience

Year Company Founded: 1986

Date Package First Available:

EDIttran: 1985

EDIfast: 1992

EDI Professional Staff Resources

Technical Staff: 20

Hot Line: 4

Total: 34

Miscellaneous Information:

Programming Language Used by Package: ANSI COBOL

EDICT Systems

Address: 1619 Mardon Drive
Dayton, OH 45432

Contact: Jason K. Wadzinski

Phone: (513) 429-4288

Product: Formula_One

Hardware/Operating System Environment: IBM compatible XT, AT with MS-DOS 3.3 or higher

EDI Standards Supported: X12 and its subsets

Pricing:

Basic Package Cost: \$995

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$200

Maintenance Fee Includes: Standards updates, software enhancements, hot line

Training Fee: N/A

Additional Fees: Custom reports \$150; custom reformats \$300

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: All major EDI VANs. (First connection is free, additional connections are \$300 each.)

Vendor Experience

Year Company Founded: 1990

Date Package First Available: March 1991

EDI Professional Staff Resources

Technical Staff: 4

Hot Line: Not available

Total: 10

Miscellaneous Information:

Programming Language Used by Package: Turbo Pascal 6.0, Assembly

Electronic Data Systems

Address: 800 Tower Drive, 2nd Floor
Troy, MI 48007-7019

Contact: Kathleen Diz

Phone: (800) 365-8232

Product: EDI*ASSET (DOS)
EDI*EXPERT (Unix)

Hardware/Operating System Environment: IBM compatible PC, XT, AT, 386 with MS-DOS 3.1 or higher; Sun 3; Sun (SPARC); AT&T 3B2; Motorola Delta 5000; NCR Tower (Unix); RS/6000; Sequent; Prime

EDI Standards/Transaction Sets Supported: X12, TDCC

Pricing:

Basic Package Cost:

EDI*ASSET: \$2,500 plus \$600 for each group of transaction sets

EDI*EXPERT: \$10,000 plus \$2,000 for each group of transaction sets

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: EDI*ASSET: \$500; EDI*EXPERT: \$1,000

Maintenance Fee Includes: Toll-free hot line, standards updates, software enhancements

Training Fee: Depends upon knowledge of user.

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: All major third-party networks; EDI*EXPERT communications module costs \$1,000 for each network to be accessed.

Vendor Experience

Year Company Founded: 1962

Date Package First Available:

DOS: 1987

Unix: 1990

EDI Professional Staff Resources

Technical Staff: Not available

Hot Line: 20

Total: Not available

Miscellaneous Information: Vendor is a wholly-owned subsidiary of General Motors.

Programming Language Used by Package:

EDI*Asset: C

EDI*Expert: C

ExtoL, Inc.

Address: 99 North Line Street
P. O. Box 29
Frackville, PA 17931

Contact: Anthony Baran

Phone: (717) 874-0695

Product: ExtoL EDI Integrator

Hardware/Operating System Environment: IBM AS/400

EDI Standards Supported: X12, TDCC, UCS, WINS, EDIFACT

Pricing:

Basic Package Cost: \$20,000 – \$50,000 depending on processor size

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: First year is free; then 12 percent of license fee.

Maintenance Fee Includes: Toll-free hot line, software enhancements, standards update

Training Fee: 2 days of installation and training are included in basic package cost (expenses are additional). Additional training is \$750 per day.

Additional Fees: Not available

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; IBM; ORDERNET; BT Tymnet

Vendor Experience

Year Company Founded: 1989

Date Package First Available: 1990

EDI Professional Staff Resources

Technical Staff: 3

Hot Line: 2

Total: 5

Miscellaneous Information:

Programming Language Used by Package: Synon/2E, RPG/400, CL

Foretell Corporation

Address: 155 North Pfingsten Road, Suite 210
Deerfield, IL 60015

Contact: Les Conklin

Phone: (708) 317-9000

Product: Trading Partner PC

Hardware/Operating System Environment: IBM compatible 286 or 386 with MS-DOS 3.3 or higher

EDI Standards Supported: X12, EDIFACT, VICS

Pricing:

Basic Package Cost: Call vendor; includes a report writer; and purchase order, invoice, and functional acknowledgment transaction sets

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: Call vendor

Annual Maintenance Fee: Call vendor

Maintenance Fee Includes: Standards updates, software enhancements, hot line

Training Fee: Call vendor

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: BT Tymnet; Control Data; GEIS; Sears; ORDERNET; IBM

Vendor Experience

Year Company Founded: 1985

Date Package First Available: 1985

EDI Professional Staff Resources

Technical Staff: 6

Hot Line: 6

Total: 20

Miscellaneous Information: Foretell Corporation was purchased by TSI International in 1991 and is now a division of TSI. Peripheral equipment, bisynchronous modems, and Windows 286 can be purchased.

Programming Language Used by Package: MicroSoft C

General Electric Information Services

Address: 401 North Washington Street
Rockville, MD 20850

Contact: Dick Donohoe
James Motyka

Phone: (301) 340-4000

Product: EDI*PC (accesses GE's network and other VANs)
EDI*Central Translator (communications software must be purchased to connect to the desired VAN)
EDI*Central Translator Interface
EDI*Central CICS Interface
EDI*Central TSO/ISPI Interface
EDI*Benchmark (includes all EDI*Central functionality, Translator Interface, and a PC-based mapping utility)

Hardware/Operating System Environment: EDI*PC – IBM compatible XT, AT, PS/2 with MS-DOS 3.3, 640K RAM, 7MB free on hard disk

EDI*Central, EDI*Benchmark – IBM mainframe with MVS or DOS/VSE; DEC VAX; Prime mainframe; Honeywell DPS-6; Honeywell DPS-8; Honeywell DPS-9; HP3000; Amdahl; Unisys; Wang; ICL; Bull

EDI Standards Supported: X12, TDCC, UCS, WINS, EDIFACT

Pricing:

Basic Package Cost:

EDI*PC: \$695 for Federal Government; \$1,450 for commercial purchasers (includes one set of EDI standards).

EDI*Central Translator: \$9,500 for Federal Government; \$20,000 for commercial purchasers (includes Translator and Translator Interface, one set of EDI standards, and 4 days of training for one person).
(Source code is included.)

EDI*Benchmark: Call vendor.

Additional Charge Per EDI Standard:

EDI*PC: \$200

EDI*Central: \$3,000

EDI*Benchmark: Call vendor

Additional Charge Per Transaction Set: None

Annual Maintenance Fee:

EDI*PC: None, maintenance for additional standards is \$200.

EDI*Central: First 12 months are free; thereafter, \$3,150; maintenance for additional standards is \$450.

Maintenance Fee Includes: Toll-free hot line, standards updates, software enhancements; future enhancements may not be included.

Training Fee:

EDI*PC: Free telephone training

EDI*Central: Included for 1 person; classroom instruction available

EDI*Benchmark: Call vendor

Additional Fees: Consulting assistance: Call vendor

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: EDI*PC includes the communications software needed to access GEIS and other major networks; EDI*Central can access other major networks in addition to GEIS with optional communications software.

Vendor Experience

Year Company Founded: 1879

Date Package First Available:

EDI*PC: 1986

EDI*Central: 1988

EDI*Benchmark: 1992

EDI Professional Staff Resources

Technical Staff: 145

Hot Line: 29

Total: 194

Miscellaneous Information: Toll-free hot line. User may purchase network interface software for access to GEIS's EDI VAN and the Defense Data Network.

Programming Language Used by Package:

EDI*PC: C, Pascal

EDI*Central: COBOL

Grace Computer Resources, Inc.

Address: 204 Merchants Drive
Norcross, GA 30093

Contact: Roy Leffew, Jr.

Phone: (404) 939-1743

Product: EDI-Ware

Hardware/Operating System Environment: IBM compatible PC with MS-DOS or PC-DOS version 3.1 or higher, 640K RAM, 5MB free space on hard drive. (Network compatible with IBM and Novell.)

EDI Standards Supported: X12, TDCC, WINS, VICS, UCS, including draft standards

Pricing:

Basic Package Cost:

EDI-Ware EMS: \$895, includes free transaction set map; additional "new" transaction sets are \$100

EDI-Ware Map: \$895, allows user to map to user-defined database internal to EDI-Ware

EDI-Ware Batch Generator: \$295, allows unattended operations

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: \$100 for each new transaction set for EMS.

Annual Maintenance Fee: EMS: \$150; Map: \$500

Maintenance Fee Includes: Software updates, standards updates, hot line

Training Fee: \$115 per hour on-site

Additional Fees: Offers IBM network mailbox; call company for details.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: IBM, Control Data, AT&T; ORDERNET

Vendor Experience

Year Company Founded: 1981

Date Package First Available: 1986

EDI Professional Staff Resources

Technical Staff: 5

Hot Line: 2

Total: 7

Miscellaneous Information: Vendor offers additional consulting services.

Programming Language Used by Package: Visual COBOL

Harbinger*EDI Services

Address: 1800 Century Place, Suite 340
Atlanta, GA 30345

Contact: Deborah Gallagher

Phone: (404) 320-1636

Product: InTouch*EDI – data input screens only; no application interface
InTouch*EDI PLUS – includes application interface

Hardware/Operating System Environment: IBM compatible PC, XT, AT, PS/2 with 10MB, 640K RAM, MS-DOS 3.0 or higher

EDI Standards Supported: X12, TDCC, WINS, UCS, EDIFACT

Pricing:

Basic Package Cost:

In Touch *EDI: \$1,295, all transaction sets, network setup

In Touch *EDI PLUS: \$1,995, above plus application interface

Volume discounts are available.

Additional Charge Per EDI Standard: Call vendor

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: InTouch*EDI: First 12 months are free, then \$120/year. InTouch*EDI PLUS: First 6 months are free, then \$300/year.

Maintenance Fee Includes: Standards updates, software enhancements, toll-free hot line

Training Fee: Call vendor

Additional Fees: Call vendor

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: Uses only Harbinger network; interconnects are available to other major networks.

Vendor Experience

Year Company Founded: 1983

Date Package First Available: 1988

EDI Professional Staff Resources

Technical Staff: 40

Hot Line: 15

Total: 80 (including network services personnel)

Miscellaneous Information: Vendor is partly owned by Westinghouse Electric Corporation; vendor will provide customized EDI services upon request.

Programming Language Used by Package: C, Btrieve

Integral Systems, Inc.

Address: 14492 Sheldon Road, Suite 300
Plymouth, MI 48170

Contact: Sue DeMaester

Phone: (800) 234-7253
(313) 459-7760

Product: Wright EDI

Hardware/Operating System Environment: IBM System 36, System 38, AS/400

EDI Standards Supported: X12, WINS, VICS, TDCC, ALAG

Pricing:

Basic Package Cost:

System 36: \$5,000

System 38: \$7,000

AS400: \$6,000 – \$18,000

(Basic package includes translator, communications software, and management reports.)

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: \$500

Annual Maintenance Fee: 18 percent of total current value of package; first 90 days are free.

Maintenance Fee Includes: Standards upgrades, software enhancements, hot-line support

Training Fee: \$600 per day

Additional Fees: Vendor will program custom interfaces for \$75 per hour.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: IBM; GEIS; Control Data; Kleinschmidt; ORDERNET; Sears; GM; Ford; Chrysler. (Vendor will access additional networks as requested by a user; the cost will depend upon the user's requirements.)

Vendor Experience

Year Company Founded: 1977

Date Package First Available: 1987

EDI Professional Staff Resources

Technical Staff: 10

Hot Line: 4

Total: 18

Miscellaneous Information: Vendor's X12 experience is primarily in the automotive industry; vendor provides some consulting services.

Programming Language Used by Package: RPG and Synon (CASE Tool)

Integrated Telecommunication Software Corp.

Address: 3586 NW 95th Terrace
Sunrise, FL 33351

Contact: Phil Keminsky

Phone: (305) 748-6878

Product: SDIS – Standards Driven Interface System

Hardware/Operating System Environment: IBM compatible XT, AT, or 386 with MS-DOS, Unix, or Xenix

EDI Standards Supported: X12, TDCC, VICS, UCS, EDIFACT

Pricing:

Basic Package Cost: \$1,995

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$1,200

Maintenance Fee Includes: Software enhancements, standards updates, new trading partners, hot line

Training Fee: None

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: IBM; BT Tymnet; ORDERNET; Control Data; GEIS; Harbinger; Sprint; Sears

Vendor Experience

Year Company Founded: 1982

Date Package First Available: 1989

EDI Professional Staff Resources

Technical Staff: 5

Hot Line: (Technical staff also supports hot line.)

Total: 8

Miscellaneous Information:

Programming Language Used by Package: COBOL Reilia and MicroFocus
COBOL

Intercoastal Data Corp

Address: 129 Bankhead Avenue
Carrollton, GA 30117

Contact: Randy Pete

Phone: (404) 834-6469

Product Name: FasTran

Hardware/Operating System Environment: IBM compatible PC with MS-DOS 3.3 or higher (LAN compatible); IBM System 36; AS/400

EDI Standards Supported: X12, UCS, TDCC, WINS, VICS

Pricing:

Basic Package Cost:

PC: \$2,575

System 36: \$4,700

AS/400: \$5,910 – \$7,910

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: PC: \$600; System 36 and AS/400: 15 percent of purchase price; first 3 months included in purchase price.

Maintenance Fee Includes: Standards updates, software enhancements, hot line

Training Fee: \$500 per day plus expenses on-site; \$500 per day at vendor site

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: IBM; GEIS; ORDERNET; Sears; WalMart (others upon request)

Vendor Experience

Year Company Founded: 1972

Date Package First Available: 1987

EDI Professional Staff Resources

Technical Staff: 4

Hot Line: 2

Total: 8

Miscellaneous Information: Vendor also provides consulting services and trading partner implementation assistance.

Programming Language Used by Package:

PC: RPG, Pascal

System 36, AS/400: RPG

International Business Machines

Address: 3405 West Buffalo Avenue
Mail Drop S405A
Tampa, FL 33630

Contact: Mike McElroy

Phone: (813) 878-4118

Product: Data Interchange/MVS
Data Interchange/CICS
PC QuickEDI
PC QuickEDI Plus

Hardware/Operating System Environment: IBM mainframe 9370-3090 (MVS/TSO);
IBM compatible AT with DOS

EDI Standards Supported: X12, EDIFACT, TDCC, UCS, ALAG

Pricing:

Basic Package Cost:

Data Interchange/MVS:	\$18,000 – \$38,000
Data Interchange/CICS:	\$18,000 – \$38,000
PC QuickEDI:	\$1,795
PC QuickEDI Plus:	\$1,795

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee:

Data Interchange/MVS:	\$761 – \$1,224
Data Interchange/CICS:	\$761 – \$1,224
PC QuickEDI:	\$730
PC QuickEDI Plus:	\$980

Maintenance Fee Includes: Standards updates

Training Fee:

Data Interchange/MVS:	\$1,010
Data Interchange/CICS:	\$1,010
PC QuickEDI:	Not available

Additional Fees: Installation may be extra.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: IBM; GEIS

Vendor Experience

Year Company Founded: 1912

Date Package First Available: 1989

EDI Professional Staff Resources

Technical Staff: 100

Hot Line: Not available

Total: Not available

Miscellaneous Information: IBM PC QuickEDI and PC QuickEDI PLUS are DOS-based PC packages for use in a stand-alone mode; they include a customized application system. Vendor provides toll-free telephone support.

Programming Language Used by Package: Not available

LEK Product Marketing Company, Inc.

Address: 2226 E. 117th Street
Burnsville, MN 55337

Contact: Larry Kramer

Phone: (612) 895-0192

Product: EDIpl Translation Software

Hardware/Operating System Environment: IBM compatible AT, 386 or other hardware with Unix and Unix-equivalent operating systems, including SCO Unix, SCO Xenix, XELOS, ALTOS Unix, AIX (RS/6000)

EDI Standards Supported: X12, TDCC, UCS, WINS, EDIFACT

Pricing:

Basic Package Cost:

System Integrator's license: \$22,000 plus \$250 per installation (includes one standards release)

Unix site license: \$7,500 or higher depending on hardware (includes all standards)

Additional Charge Per EDI Standard: System Integrators: \$5,000 per standards release

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: Unix Site License or System Integrator: \$2,000 minimum or 12 percent of license and standards fee

Maintenance Fee Includes: Hot line, standards updates, software enhancements

Training Fee: Call vendor

Additional Fees: Vendor will customize mapping of EDI data to application database formats; typically at a cost of \$500 per transaction set.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: Network interface software is not provided but vendor will write a script to use the VAN's communications software.

Vendor Experience

Year Company Founded: 1985

Date Package First Available: 1988

EDI Professional Staff Resources

Technical Staff: Not available

Hot Line: Not available

Total: Not available

Miscellaneous Information: Vendor provides custom programming services.

Programming Language Used by Package: C

Lloyd Bush, Inc.

Address: 40 Broad Street
New York, NY 10004

Contact: Marcy McKinley

Phone: (212) 809-8560

Product: X-Change

Hardware/Operating System Environment: IBM compatible XT, AT, PS/2 with MS-DOS 3.0, 10MB hard disk, 640K RAM

EDI Standards Supported: X12, TDCC, AIAG, TCIF, VICS, UCS

Pricing:

Basic Package Cost: \$895 (Single trading partner versions can be distributed by hubs for \$5 per copy.)

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: None

Maintenance Fee Includes: Software support

Training Fee: No training required

Additional Fees: Optional software upgrades available for \$75-\$100 (standards updates are included).

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: BT Tymnet; Western Union; GEIS; Control Data; ORDERNET; Sears

Vendor Experience

Year Company Founded: 1971

Date Package First Available: 1985

EDI Professional Staff Resources

Technical Staff: 4

Hot Line: 3

Total: 7

Miscellaneous Information: Vendor also provides financial consulting for municipal bonds, timesharing, and other products.

Programming Language Used by Package: C

MAXXUS, Inc.¹

Address: 140 Second Street, Suite 603
San Francisco, CA 94105

Contact: John Fountain

Phone: (415) 243-9690

Product: MAXX*EDI-ENTRY – send/receive capability only; no application interface
MAXX*TRANSLATOR – requires user operation
MAXX*EDI – has a manager and auto scheduler

Hardware/Operating System Environment: IBM compatible AT, 386, 486, with MS-DOS 3.0 or higher; networking capability

EDI Standards Supported: X12, TDCC, EDIFACT, WINS, VICS

Pricing:

Basic Package Cost:

MAXX*EDI-ENTRY: \$1,500 – \$2,500

MAXX*TRANSLATOR: \$3,500 -- \$23,500

MAXX*EDI: \$3,500 – \$23,500

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: 15 percent of software purchase price

Maintenance Fee Includes: Hot line, software enhancements, standards updates

Training Fee: \$1,500 – \$2,500, depending on package

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: BT Tymnet; IBM; AT&T; GEIS; Harbinger. (Vendor will interface to any network requested by user at no charge.)

¹ An update was unavailable. The information used is from *A Guide to EDI Translation Software, 1991 Edition*.

Vendor Experience

Year Company Founded: 1986

Date Package First Available: 1988

EDI Professional Staff Resources

Technical Staff: Not available

Hot Line: Not available

Total: Not available

Miscellaneous Information: Vendor also sells EFT products including MAXX-ACH; all MAXX-products are modular and build upon one another.

Programming Language Used by Package: C

MPACT EDI Systems, Inc.

Address: 17197 North Laurel Park Drive
Livonia, MI 48152

Contact: Don Hogan

Phone: (313) 462-2244

Product: MessageWay (includes XWAY translator and store-and-forward messaging)

Hardware/Operating System Environment: Tandem Non-Stop Systems

EDI Standards Supported: X12, TDCC, EDIFACT

Pricing:

Basic Package Cost:

\$45,000 — \$180,000 depending on the concurrent communications sessions required.

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: 18 percent of purchase price

Maintenance Fee Includes: Standards updates, toll-free telephone hot line, software enhancements

Training Fee: \$300 per day at MPACT facilities

Additional Fees: Many options are available; call vendor for prices.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; RAILINC; Kleinschmidt; ORDERNET; BT Tymnet

Vendor Experience

Year Company Founded: Initially founded as Merit Systems, Inc., in 1977.

Date Package First Available: 1987

EDI Professional Staff Resources

Technical Staff: 45

Hot Line: 20

Total: 75

Miscellaneous Information: Vendor also provides EDI consulting and programming services.

Programming Language Used by Package: C, TAL, Pathway, COBOL 85

Patrick Frantz Consulting

Address: 204 East Jefferson Street
Syracuse, NY 13202

Contact: Maryann Tracy

Phone: (315) 476-1564

Product: X-Caliber EDI

Hardware/Operating System Environment IBM PC, PS/2 or compatible
PC-DOS or MS-DOS, version 3.1 or greater

EDI Standards Supported: X12

Pricing:

Basic Package Cost: \$595

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$250

Maintenance Fee Includes: Software enhancements, standards updates, toll-free hot-line, access to bulletin board

Training Fee: \$800 per day plus expenses on-site

Additional Fees: Call vendor

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: All major VANs

Vendor Experience

Year Company Founded: 1985

Date Package First Available: May 1991

EDI Professional Staff Resources

Technical Staff: 3

Hot Line: 3

Total: 3

Miscellaneous Information: EDI consulting and seminars are also available.

Programming Language Used by Package: Clipper

Perwill EDI, Incorporated

Address: 6133 Rockside Road, Suite 402
Independence, OH 44131

Contact: Bill Bromley

Phone: (800) 969-3341
(216) 642-7565

Product: Microcomputer: ISM-EDI – A full system that can interface other packages, applications systems, and the HP3000.

Minicomputer: EDI/3000
EDI/Unix
EDI/AS400

Hardware/Operating System Environment: IBM compatible PC with MS-DOS or OS/2; AS/400; HP3000 MPE/XL; Unix systems include HP9000, HP800, NCR System 3000, Dell 325, NCR Tower, Pyramid

EDI Standards Supported: X12, TDCC, WINS, EDIFACT, SPEC2000

Pricing:

Basic Package Cost:

ISM-EDI: \$7,000 – \$27,000

EDI/3000: \$7,000 – \$27,000

EDI/Unix: Up to \$27,000

AS/400: Up to \$27,000

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: Call vendor

Annual Maintenance Fee:

Microcomputer: 18 percent of purchase price

Minicomputer: 15 percent of purchase price

Maintenance Fee Includes: Hot line, software enhancements, standards updates

Training Fee: Available upon request

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; ORDERNET; IBM; AT&T; Harbinger; Sears; BT Tymnet

Vendor Experience

Year Company Founded: 1973

Date Package First Available: 1986

EDI Professional Staff Resources

Technical Staff: 5

Hot Line: 2

Total: 10

Miscellaneous Information: Vendor will provide a 100 percent trade-in credit to customers that upgrade to a larger hardware platform.

Programming Language Used by Package: COBOL

Piedmont Systems, Inc.

Address: 4400 Silas Creek Parkway, Suite 300
Winston-Salem, NC 27104

Contact: Chuck Cloer

Phone: (919) 760-3620

Product: TEL-EDI
EDI Engine – designed to be linked to application systems, but does not have an application interface

Hardware/Operating System Environment: TEL-EDI – IBM compatible PC with MS-DOS, SCO Unix System V, or SCO Xenix; DEC VMS (Microvax and 8000 Series)
EDI Engine – DOS, Apple MacIntosh, OS/2

EDI Standards Supported: X12, TDCC

Pricing:

Basic Package Cost:

TEL-EDI: \$2,495

EDI Engine: Call vendor

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee:

TEL-EDI base: \$374.25

TEL-EDI data mapping utility: \$200

EDI Engine: Not available

Maintenance Fee Includes: Not available

Training Fee: TEL-EDI: \$600 per day plus expenses

Additional Fees: Data mapping utility is available for \$1,190.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; BT Tymnet; Western Union; Kleinschmidt; IBM; Sears; ORDERNET; Control Data

Vendor Experience

Year Company Founded: 1987

Date Package First Available:

TEL-EDI: 1987

EDI Engine: 1990

EDI Professional Staff Resources

Technical Staff: 2

Hot Line: 2

Total: 5

Miscellaneous Information:

Programming Language Used by Package:

TEL-EDI: BASIC and C

EDI Engine: C

Premenos Corp.

Address: 1000 Burnett Avenue, Suite 200
Concord, CA 94520

Contact: Michael Nelson

Phone: (510) 602-2000

Product: EDI/36
EDI/38
EDI/400
EDI/e

Hardware/Operating System Environment: IBM System 36, System 38, AS/400, RS/6000

EDI Standards Supported: All standards

Pricing:

Basic Package Cost:

Includes one network communications module

EDI/36: \$5,700

EDI/38: \$9,000

EDI/4XX: \$6,000 – \$22,000

EDI/e: \$15,000

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: 15 percent of purchase price

Maintenance Fee Includes: Standards updates, software enhancements, telephone support

Training Fee: \$595; classes are scheduled monthly on the East Coast, Midwest, and West Coast.

Additional Fees: Additional network communications modules cost \$700 – \$1,000 depending on the computer used.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; ORDERNET; IBM; Control Data; AT&T; Western Union; Kleinschmidt; TranSettlements; CompuServe; Harbinger; Agri Data; Ford; Chrysler; GM; Walmart; Sears; BT Tymnet; Sprint

Vendor Experience

Year Company Founded: 1987 (parent company formed in 1976)

Date Package First Available: 1987

EDI Professional Staff Resources

Technical Staff: 42

Hot Line: 14

Total: 68

Miscellaneous Information: Toll-free telephone support.

Programming Language Used by Package: RPG, C, C++

Radley Business Computers, Inc.

Address: 23077 Greenfield Road
Southfield, MI 48075

Contact: John Walczy

Phone: (800) 334-9934
(313) 559-6858

Product: Radley-EDI

Hardware/Operating System Environment: DEC VAX/VMS

EDI Standards/Transaction Sets Supported: X12, TDCC, VICS, WINS, UCS, ALAG, EDIFACT

Pricing:

Basic Package Cost: \$1,995 and up, based on number of trading partners

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: Minimum \$850, based on CPU

Maintenance Fee Includes: Hot line, software enhancements, standards updates

Training Fee: \$800 per day plus expenses

Additional Fees: \$600 to set up a trading partner and their transaction sets.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; IBM; Sears; Control Data; ORDERNET; Kleinschmidt; BT Tymnet

Vendor Experience

Year Company Founded: 1980

Date Package First Available: 1990

EDI Professional Staff Resources

Technical Staff: 8

Hot Line: 4

Total: 12

Miscellaneous Information:

Programming Language Used by Package: DIBOL

RF Parker Consulting

Address: 815 North Broad Street
Grove City, PA 16127

Contact: Richard F. Parker
Jan W. Parker

Phone: (412) 458-7576

Product Name: APP-EDI

Hardware/Operating System Environment: IBM compatible PC, AT, 386 or 486 with MS-DOS 3.3 or higher; MS-Windows 3.0 or higher under the DOS Shell system and DR-DOS 5.0 or higher; PS/2 with OS/2 1.1 or higher.

EDI Standards Supported: X12, TDCC, EDIFACT

Pricing:

Basic Package Cost:

PC base package: \$2,000

Optional non flat-file translator: \$1,500

Optional inter/intra document mapper: \$1,500

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: None. EDI standards upgrades are \$250 per version.

Maintenance Fee Includes: Hot line, software enhancements. (Hot-line support that exceeds 4 hours in a week, 15 hours in a month, or 80 hours for the year will be billed at \$60 per hour.)

Training Fee: \$500 per day plus travel and expenses; education classes are \$1,500 per day

Additional Fees: Custom programming at \$75 per hour

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS, Sears, TDSI, Traderoute, CompuServe

Vendor Experience

Year Company Founded: 1984

Date Package First Available: May 1992

EDI Professional Staff Resources

Technical Staff: 1.5

Hot Line: 1

Total: 2.5

Miscellaneous Information: Vendor also offers data base management, systems design, and consulting services. Translator allows import and export to and from spreadsheets, word processors, and commercially available data base products.

Programming Language Used by Package: C

RMS, Inc.

Address: 17187 N. Laurel Park Drive, Suite 204
Livonia, MI 48152

Contact: John Bennett

Phone: (313) 462-1200

Product: RMS VLT

Hardware/Operating System Environment: IBM compatible PC-XT, AT, PS/2 with MS-DOS 3.1 or higher; 386 or 486 with Unix or SCO Xenix System V; DEC VAX (VMS); HP UX and HP MPE/XL; AT&T 3B2; Sequent Dynex or PTX

EDI Standards Supported: X12, TDCC

Pricing:

Basic Package Cost: \$2,150 – includes one communications link, one trading partner specific outgoing document format, and unlimited incoming document types

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: \$300 for outgoing transaction sets

Annual Maintenance Fee: \$350 for standards updates and software enhancement; \$300 for hot line

Maintenance Fee Includes: Hot line, standards updates, software enhancements

Training Fee: Vendor location: \$250; on site: \$750 plus travel and living expenses.

Additional Fees: Implementation services and data mapping workshops quoted at fixed bid or hourly rates.

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; BT Tymnet; IBM; ORDERNET; Trans-Settlements; RAILINC; Western Union; AT&T; CompuServe; CTX; Sears

Vendor Experience

Year Company Founded: 1982

Date Package First Available: 1986

EDI Professional Staff Resources

Technical Staff: 6

Hot Line: 7

Total: 22

Miscellaneous Information: Vendor also offers consulting services and an EDI data mapper (RMS Customizer: \$1,650) and a processor scheduler (RMS Unattended Operations: \$995).

Programming Language Used by Package: MicroFocus COBOL

Sprint

Address: 1875 I Street, N.W.
Washington, DC 20006

Contact: Margot Wall

Phone: (202) 416-6234

Product: InTouch*EDI – data input screens only; no application interface
InTouch*EDI PLUS – includes application interface

Hardware/Operating System Environment: IBM compatible PC, XT, AT, PS/2 with 10MB, 640K RAM, MS-DOS 3.0 or higher

EDI Standards Supported: X12, TDCC, WINS, UCS, EDIFACT

Pricing:

Basic Package Cost:

In Touch *EDI – all transaction sets, network setup: Call vendor

In Touch *EDI PLUS – above plus application interface: Call vendor

Additional Charge Per EDI Standard: Call vendor

Additional Charge Per Transaction Set: None

Annual Maintenance Fee:

InTouch*EDI: Call vendor

InTouch*EDI PLUS: Call vendor

Maintenance Fee Includes: Standards updates, software enhancements, toll-free hot line

Training Fee: Call vendor

Additional Fees: Call vendor

GSA/DoD Schedules or Contracts: Software is available to DoD and Government activities through GSA contract GS-00F-33102.

Networks Directly Accessed: Uses only Sprint network; interconnects are available to other major networks.

Vendor Experience

Year Company Founded: Not available

Date Package First Available: Not available

EDI Professional Staff Resources

Technical Staff: Not available

Hot Line: Not available

Total: Not available

Miscellaneous Information: Sprint has modified Harbinger*EDI Services' translation software products to operate with its own EDI VAN.

Programming Language Used by Package: C, Btrieve

St. Paul Software

Address: 754 Transfer Road
St. Paul, MN 55114

Contact: Larry J. Haisting

Phone: (612) 641-0963

Product: Interconn – microcomputers
Datatran – minicomputers and mainframes
EDI/Gateway – minicomputer translator environment control

Hardware/Operating System Environment:

Interconn – IBM compatible AT, 386, PS/2 with 10MB hard disk, 640K RAM
Datatran and EDI/Gateway – IBM 4341, 4381 (DOS/VSE); all common Unix platforms including Sequent, Gould 9050, Pyramid, and AT&T 3B2
EDI/Gateway – Call vendor. Depends on Unix platform.

EDI Standards Supported: X12; TDCC; ALAG; UCS; VICS; WINS; EDIFACT

Pricing:

Basic Package Cost:

Interconn: \$1,995 (includes all transaction sets and the network interface for first trading partner)

Datatran: \$3,500 – \$15,000 depending on Unix platform

Additional Charge Per EDI Standard: Call vendor

Additional Charge Per Transaction Set:

Interconn: \$250 – \$750

Datatran: None – all transaction sets are included.

Annual Maintenance Fee:

Interconn: \$399

Datatran: Typically 15 percent of purchase price; varies according to platform.

Maintenance Fee Includes: Standards updates, software enhancements, telephone support

Training Fee: \$1,000 per day plus travel and living expenses

Additional Fees: Not available

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: Control Data; BT Tymnet; GEIS; IBM; CompuServe; ORDERNET; Western Union; RAILINC; Sears

Vendor Experience

Year Company Founded: 1981

Date Package First Available: 1985

EDI Professional Staff Resources

Technical Staff: 7

Hot Line: 5

Total: 20

Miscellaneous Information:

Programming Language Used by Package:

Interconn: MicroSoft QuickBASIC

Datatran: COBOL, C

EDI/Gateway: C

Sterling Software, ORDERNET Services Division

Address: 4600 Lakehurst Court
P. O. Box 7160
Dublin, OH 43017

Contact: Doug Stewart, Director Mainframe Software Sales
Dave Dodge, Vice President North American Network Sales

Phone: (614) 793-7000

Product: Translation Software:
GENTRAN; GENTRAN Plus; GENTRAN 400; GENTRAN VAX;
TRANSLATOR*MVS; TRANSLATOR*VSE; TRANSLATOR*4XX;
TRANSLATOR*38; TRANSLATOR*36; TRANSLATOR*DG;
GENTRAN*PC (no application interface); GENTRAN*PC w/Transaction
Data File (TDF); GENTRAN*PC w/TDF & Toolkit (data entry module)
Communications Software:
DOCULINK/MNP; DOCULINK/BSC; DOCULINK/400;
DOCULINK/OS; DOCULINK/SNA

Hardware/Operating System Environment: All IBM- and plug-compatible mainframes running MVS or DOS/VSE; AS/400; IBM System 38; IBM System 36; DEC VAX (VMS); Data General; IBM compatible PC, XT, AT PS/2 with 10MB hard disk, 512K RAM, MS-DOS 2.0 or higher (3.1 or higher is recommended)

EDI Standards Supported: X12, TDCC, AIAG, VICS, UCS, WINS, EAGLE, NWDA; international standards support includes EDIFACT, TRADACOMS, ODETTE

Pricing:

Basic Package Cost:

GENTRAN Plus:	MVS: \$111,400 – \$139,000; DOS/VSE: \$92,000 – \$110,000
GENTRAN MVS:	\$42,000
GENTRAN VSE:	\$37,000
GENTRAN 400:	\$7,500 – \$37,500
GENTRAN VAX:	\$7,500 – \$37,500
TRANSLATOR Plus:	MVS: \$111,400 – \$139,000; DOS/VSE: \$92,000 – \$110,000
TRANSLATOR*MVS:	\$42,000
TRANSLATOR*VSE:	\$37,000
TRANSLATOR*4XX:	\$7,500 – \$37,500
TRANSLATOR*38:	\$9,800

TRANSLATOR*36: \$6,000
TRANSLATOR*DG: \$12,000 – \$18,000
GENTRAN*PC: \$1,295
GENTRAN*PC w/TDF: \$1,995
GENTRAN*PC w/PDF & Toolkit: \$2,995
DOCULINK/MNP: \$150
DOCULINK/BSC: \$250
DOCULINK/400: \$1,000
DOCULINK/OS: \$1,400
DOCULINK/SNA: \$3,450

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: First year free, then 15 percent of current price

Maintenance Fee Includes: Standards updates, hot line, software enhancements

Training Fee: Two days of installation and training at user site are included in mainframe products and high end of DEC and AS/400 platforms.

Additional Fees: Not available

GSA/DoD Schedules or Contracts: Most of the translation software packages are available through the GSA schedules. Contact ORDERNET for the contract type and the schedule or contract number.

Networks Directly Accessed: ORDERNET; Control Data; BT Tymnet; GEIS; IBM; TranSettlements; Kleinschmidt; RAILINC; Harbinger; AT&T; Infonet, Sears; Transnet; GM; Ford; Chrysler

Vendor Experience

Year Company Founded: 1968

Year EDI Service First Available: 1976

Year EDI Software First Available: 1987

EDI Professional Staff Resources

Technical Staff: Over 90

Hot Line: Over 50

Total: Over 320

Miscellaneous Information: Vendor recently purchased Control Data's REDINET EDI operation, including the network services and EDI software products. Vendor also offers EDI network services, value-added database services, EDI education and consulting, EDI vendor implementation programs, and communications software.

Programming Language Used by Package:

GENTRAN*PC: ANSI 74 COBOL

TRANSLATOR*36, *38, *4XX: RPG, ANSI 74 COBOL

TRANSLATOR*MVS, *DOS/VSE: ANSI 74 COBOL

GENTRAN Products: ANSI 74 COBOL, RPG

DOCULINK Products: C, RPG, ANSI 74 COBOL

Supply Tech, Inc.

Address: 1000 Campus Drive
Ann Arbor, MI 48104

Contact: Daniel M. Faletti

Phone: (313) 998-4044

Product: STX for the Microcomputer
STX12 for the Mainframe

Hardware/Operating System Environment: IBM compatible XT, AT, PS/2, 386 with 640K RAM, 10MB hard disk (recommends 20MB), MS-DOS 3.0 or higher; IBM compatible mainframe (MVS and DOS/VSE)

EDI Standards Supported: X12, TDCC, UCS, EDIFACT

Pricing:

Basic Package Cost:

STX for the Microcomputer: \$2,295

STX12 for the Mainframe: \$9,500 – \$35,000

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee:

Microcomputer: \$600 – \$780

Mainframe: 15 percent of list price

Maintenance Fee Includes: Hot line, software enhancements, standards updates

Training Fee: \$495 per person per day at vendor site; \$1,595 per day plus travel expenses on-site

Additional Fees: Call vendor

GSA/DoD Schedules or Contracts: Vendor's EDI products are available to DoD activities through GSA Contract #FA00KAGS5192.

Networks Directly Accessed: GEIS; ORDERNET; Kleinschmidt; RAILINC; TranSettlements; Western Union; Sears; Dialcom; IBM; Telecom Canada; DATA PAC; CompuServe; AT&T; BT Tymnet; Infonet; Harbinger

Vendor Experience

Year Company Founded: 1984

Date Package First Available: 1984

EDI Professional Staff Resources

Technical Staff: 29

Hot Line: 12

Total: 114

Miscellaneous Information:

Programming Language Used by Package: MicroFocus COBOL

Synergistic Systems, Inc.

Address: 442 3rd Street
Neptune Beach, FL 32211

Contact: Ron Meison
Margo Noel

Phone: (904) 249-0201

Product: BIZIBOX

Hardware/Operating System Environment: IBM compatible PC, AT, 386, PS/2 with MS-DOS 3.3, 20MB hard disk, 1MB RAM

EDI Standards/Transaction Sets Supported: X12, TDCC (All transaction sets supported are "developed" on a customer request basis.)

Pricing:

Basic Package Cost:

\$1,895: Standalone system for PC or AT with one transaction set

\$8,495: Flat-file system for AT or 386, with six transaction sets

\$14,495: For 386 only, direct mapping from application data to standards, includes six transaction sets.

Additional Charge Per EDI Standard: \$495

Additional Charge Per Transaction Set: \$495

Annual Maintenance Fee: First 90 days are free, then 15 percent of purchase cost

Maintenance Fee Includes: Standards updates, software enhancements, customer support

Training Fee: Included in purchase price

Additional Fees: Not available

Networks Directly Accessed: IBM; Control Data; TranSettlements; GEIS; BT Tymnet; all other major networks

Vendor Experience

Year Company Founded: 1986

Date Package First Available: 1988

EDI Professional Staff Resources

Technical Staff: 6 (maintenance only)

Hot Line: 2

Total: 7

Miscellaneous Information: Vendor specializes in distributed processing for mid- to large-size computer systems.

Programming Language Used by Package: C

Trinary Systems, Inc.

Address: 38345 West Ten Mile Road, Suite 330
Farmington Hills, MI 48335

Contact: Michelle D. Crew

Phone: (313) 442-8540

Product: EDI *WINDOWS*

Hardware/Operating System Environment: HP 3000 (MPE/XL); HP 9000 (UX); DEC VAX (VMS)

EDI Standards Supported: X12, TDCC, EDIFACT, VCS, WINS

Pricing:

Basic Package Cost:

HP 3000: \$12,000 – \$36,000

HP 9000: \$9,000 – \$27,000

DEC VAX: \$14,000 – \$35,000

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: 20 percent of software license fee; (includes hot-line support from 8:30 a.m. – 5:30 p.m. EST); 30 percent of software license fee (includes 24 hour hot-line support)

Maintenance Fee Includes: Hot line, software enhancements, standards updates

Training Fee: \$4,000 plus expenses for 4 days on-site; \$2,000 for 4 days at vendor site for one or two people.

Additional Fees: Not available

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: AT&T; BT Tymnet; GEIS; Harbinger; IBM; ORDERNET; RAILINC; Sears, Telecom Canada

Vendor Experience

Year Company Founded: 1985

Date Package First Available: 1989

EDI Professional Staff Resources

Technical Staff: 5

Hot Line: 3

Total: 8

Miscellaneous Information:

Programming Language Used by Package: C, MicroFocus COBOL

TSI International

Address: 45 Danbury Road
P. O. Box 840
Wilton, CT 06897-0840

Contact: Ron Antini

Phone: (203) 761-8600

Product: Trading Partner

Hardware/Operating System Environment: IBM compatible mainframes (DOS/VSE or MVS); requires CICS

EDI Standards Supported: X12, TDCC, VICS, WINS, UCS, EDIFACT

Pricing:

Basic Package Cost: \$42,000 – \$120,000

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: First year included in purchase price, then 15 percent of current list price

Maintenance Fee Includes: Hot line, software enhancements, standards updates

Training Fee: Included in purchase price.

Additional Fees: Call vendor

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: GEIS; IBM; ORDERNET; BT Tymnet; Kleinschmidt; RAILINC; TranSettlements; AT&T EasyLink; Sprint

Vendor Experience

Year Company Founded: 1967

Date Package First Available: 1990

EDI Professional Staff Resources

Technical Staff: 30

Hot Line: 10

Total: 35

Miscellaneous Information: Vendor acquired Foretell Corporation in 1991. TSI also offers consulting, programming, and education services.

Programming Language Used by Package: ANSI 74 COBOL

Userbase Systems, Inc.

Address: 9051 Executive Park Drive, Suite 300
Knoxville, TN 37923

Contact: Gary Neubert

Phone: (615) 691-0823

Product: EDI*Port

Hardware/Operating System Environment: PICK OS on Prime Computer 50 series (PRIMOS) and 7000 series (Unix); 44 different Unix platforms using uniVerse RDMS from VMARK Software, Inc., including IBM RS/6000, Sequoia, Pyramid, and HP9000.

EDI Standards Supported: X12, EDIFACT, AIAG, WINS, VICS

Pricing:

Basic Package Cost: \$20,000 (includes all transaction sets and communications software)

Additional Charge Per EDI Standard: None

Additional Charge Per Transaction Set: None

Annual Maintenance Fee: \$3,600

Maintenance Fee Includes: Standards updates, software enhancements, hot line

Training Fee: Included if at vendor's location; if at user's location, travel and living expenses.

Additional Fees: None

GSA/DoD Schedules or Contracts: None

Networks Directly Accessed: All major networks

Vendor Experience

Year Company Founded: 1985

Date Package First Available: 1987

EDI Professional Staff Resources

Technical Staff: 4

Hot Line: 2

Total: 6

Miscellaneous Information: Product was first made available to the public in January 1991.

Programming Language Used by Package: INFO/BASIC, BASIC, and C

APPENDIX D

EDI TRANSLATION SOFTWARE FUNCTIONS AND FEATURES

Table D-1 identifies 48 functions and features that could be included in an EDI translation software package for three different operating environments: stand-alone microcomputer, front-end microcomputer, minicomputer, or mainframe. Those operating environments stem from an analysis of DoD's 152 largest CONUS shipping activities that generate Government bills of lading.

TABLE D-1
EDI TRANSLATION SOFTWARE REQUIREMENTS

Function/feature	Operating environment		
	Stand-alone	Front-end	Minicomputer/ mainframe
Communications Features			
Communications Software	M	M	M
Transaction Set Consolidation Routines	M	M	M
Multiple Communications Interface	O	O	O
Network Identification Table	M	M	M
Unattended Operations Capability	M	M	M
Systems Utilities			
Automatic Recovery/Restart Capability	M	M	M
Installation Routines	M	M	O
System Interface Routines			
Application System Interface	M	M	M
Data Input Screens	M	O	O
Input Editing	M	O	O
User-Defined Print Output	M	O	O
User-Definable System Interface	O	O	O
User-Defined Data Input Screens	O	O	O
Customized Operations Routines			
Code Conversion Capability	O	O	O
Data Element Delimiter Table	M	M	M
Functional Acknowledgment Capability	M	M	M
Multiple Header Support	M	M	M
Segment Terminator Table	M	M	M
Trading Partner Profile	O	M	M
Transaction Set Sequential Numbering	M	M	M
Version Support Table	M	M	M
Editing Features			
Character Conversion Capability ^a	O	O	O
Inbound Standards Compliance Editing	M	M	M
Internal Codes Duplication Routine	M	O	O
Outbound Standards Compliance Editing	M	M	M
Transaction Set Correction Capability	M	O	O

Note: M = mandatory; O = optional.

^a Pertinent to only those sites that will use point-to-point communications with one or more trading partners.

TABLE D-1

EDI TRANSLATION SOFTWARE REQUIREMENTS (Continued)

Function/feature	Operating environment		
	Stand-alone	Front-end	Minicomputer/ mainframe
System Maintenance Routines			
Automated Purging	M	M	M ^b
Expandability	M	M	M
Maintenance Support	M	M	M
Table-Driven Software Structure	M	M	M
Transaction Set Archiving	M	M	M
Version Support	M	M	M
Report Functions			
Error Reports	M	M	M
Functional Acknowledgment Reconciliation	M	M	M
Inbound Transaction Set Reporting	M	M	M
Outbound Transaction Set Reporting	M	M	M
Transmitted Characters	O	O	O
User-Defined Management Reports	O	O	O
Support Features			
Help Screens ^c	O	O	O
Technical Documentation	M	M	M
Trainings ^c	M	M	M
Tutorial Package ^c	O	O	O
User Documentation	M	M	M
User Support (Hot Lines)	M	M	M
Miscellaneous Features			
Compatibility with Encryption and Authentication Packages ^d	O	O	O
Multiple Users	O	O	O
Selective Accessibility	M	M	O
System Entry Security	M	M	O

Note: M=mandatory; O=optional.

^b Operating system utilities separate from the translation software package may fulfill this requirement.

^c Either training or the help screens and tutorial package are mandatory.

^d When the requirements for such a feature have been fully defined, we expect this feature will be mandatory for all operating environments.

APPENDIX E

SOFTWARE PRODUCT SURVEY RESULTS

This appendix presents the results of a telephone survey of EDI translation software vendors. The information obtained in that survey is categorized by the type of computer hardware required by the software package: microcomputer (Table E-1), minicomputer (Table E-2), or mainframe (Table E-3). We did not request detailed information for those features that all vendors typically claim are included in their software. For example, virtually all vendors claim their software is "table driven" and includes "transaction set archiving." Instead, we focused on those features that we believe help to differentiate the various product offerings. To illustrate: although user-defined management reports are not required by any of the operating environments, we believe that feature is very useful and not offered by all vendors.

TABLE E-1. MICROCOMPUTER TRANSLATION SOFTWARE SURVEY

Company and Product		Communications Features				System Interface				Customized Operations				Editing				System Maintenance				Reports				Support Features				Miscellaneous Features			
		Unattended Operators Capability		System Dialable Interface		Data Input Screens		Input Editing		Multiple Header Support		Transaction Seq. Numbering		Version Table Support		Trading Partner Compliance Eding		Inbound Sids		Outbound Sids		Transmitted Characters		User-Defined Mgt. Reports		User Support (Hot Lines)		Help Screens		System Entry Security		Selective Accessibility	
Advanced Communications System ACS/PC12	Yes	No	Yes	Yes	Yes	Yes	Yes ¹	Yes	Yes	No ²	No	No	Yes	Yes	Yes	No ²	No	No	Yes	Yes	Yes ⁷	Yes	Yes	Yes	No	Yes ³	No	Yes	No	Yes			
American Business Computer EDE PC	Yes	No	Yes	No	No	Yes ⁴	Yes	Yes	No	Yes ⁴	Yes	Yes	Yes	Yes	Yes	No ²	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes			
EDI-Esc/PC and EDI-Esc/Unix	Yes	Yes	No	Yes ⁵	Yes	Yes ⁴	Yes	Yes	Yes	Yes ⁶	Yes ^{4,8}	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes ⁷	Yes	Yes	Yes	Yes	ID and Password	Yes	Yes	Yes	Yes			
American Custom Software, Inc. Business Partner Translator (BPT)	Yes	Yes	Yes	Yes	Yes	Yes ⁴	Yes	Yes ^{4,8}	Yes ^{4,8}	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes ⁹	Yes	Yes	Yes	Yes	Password	Yes	Yes	Yes	Yes			
The APL Group, Inc. Quoted	Yes ¹⁰	Yes	Yes	Yes ⁵	Yes	Yes	Yes	Yes ⁶	Yes ⁶	Yes	No ²	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	ID and Password	Yes	Yes	Yes	No	Yes ¹²	No	Yes	Yes	No		
Baggerty & Associates "EDI*FOCUS"	Yes	Yes	Yes ¹³	Yes	Yes	Yes ⁴	Yes	Yes ⁶	Yes ⁶	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes ¹⁴	Yes	Yes	Yes	Yes	Password	Yes	Yes	Yes	Yes	Yes			
Bell Atlantic IntelliTrade and IntelliTrade Plus	Yes	Yes	Yes	Yes	Yes	Yes ¹⁵	Yes	Yes	Yes	Yes	No ¹⁶	Yes	Yes	Yes	Yes	Yes	No ¹⁶	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Password	No	Yes	Yes	Yes	Yes	Yes		
Birmingham Computer Group, Inc. DOC-U-MAP	Yes	Yes	Yes	Yes ⁵	Yes ⁵	Yes ¹⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Password	No	Yes	Yes	Yes	Yes	Yes		
Blue Rainbow Software International MULTINET/PC and MULTINET/2	Yes	Yes ¹⁷	Yes	Yes ⁵	Yes ⁵	Yes ⁴	Yes	Yes ⁵	Yes ⁵	No	Yes ^{19,20}	No	Yes	Yes	Yes	No	Yes ^{19,20}	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes ⁹	Yes	Yes	Yes	Yes	Yes	
CANAC Telecom Pro-EDI	Yes	Yes	Yes ¹³	Yes	Yes ^{4,5}	Yes ⁴	Yes ²¹	Yes	Yes ⁶	Yes	No ¹⁹	No	Yes	Yes	Yes	Yes	No ¹⁹	No	Yes	Yes ¹⁴	Yes	Yes	Yes	Yes	Password	No	Yes	Yes	Yes	Yes	Yes		
CAN-AM Tech Inc. E-Z Order	Yes	Yes ¹¹	Yes	Yes ⁵	Yes	Yes	No	Yes ⁶	Yes ²²	Yes ²³	No ¹⁹	Yes	Yes	Yes	Yes	Yes	No ¹⁹	Yes	Yes	Yes ¹⁴	Yes	Yes	Yes	Yes	ID and Password	No	Yes	Yes	Yes	Yes	Yes		
Data Dispatch Corporation EDI/SYNAPSE	Yes	Yes	Yes ^{18,24}	Yes ⁵	Yes	Yes ⁴	Yes	Yes ⁶	Yes ²⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Password	Yes	Yes	Yes	Yes	Yes	Yes		
DIGIT Software, Inc. MacEDI	Yes	Yes	Yes	Yes ⁵	Yes	Yes	Yes ²¹	Yes ⁶	Yes ⁶	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
DMS Associates, Inc. EDI Entry and EDI/Edge	Yes	Yes ²⁶	Yes	Yes ⁵	Yes ²⁷	Yes ⁴	Yes	Yes	No ^{25,28}	Yes	No ¹⁹	No	Yes	Yes	Yes	Yes	No ¹⁹	No	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

- 1 Trading partners must be set up by vendor.
- 2 Nonautomated; available via menu selection or "pull-up window."
- 3 Available for an additional fee.
- 4 May be specified for each transaction set used by a trading partner.
- 5 Supports the EDIFACT header UNA/UNB.
- 6 Data element codes are also validated.
- 7 Will sell a turnkey Informix solution (SQL or report writer) or provide interface to another system.
- 8 Parameter driven; optional.
- 9 Can be defined by the user.
- 10 Must be set up every day.
- 11 Performed by vendor.
- 12 Help messages can be defined by the user for each data element in each transaction set used by a particular trading partner.
- 13 Requires vendor assistance.
- 14 Toll-free 800 number.
- 15 Each transaction set type is not individually numbered.
- 16 Reports the number of blocks transmitted by the modem.
- 17 Maps data directly between database and EDI transaction sets. A flat-file format is available.
- 18 Compliance editing occurs after input screen has been completed.
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- 20 Interchange control checking only.
- 21 Requires a different map for each affected trading partner's transaction set.
- 22 Erroneous transactions are received and flagged in a report.

- 23 Can be deleted during review of functional acknowledgment reconciliation report or after printing a report.
- 24 Limited field-by-field editing; user can also override the standards on a field basis.
- 25 Accepts erroneous transactions. User manually determines if transaction is acceptable.
- 26 Specific data element editing requirements can be specified for each trading partner.
- 27 Only checks header controls on inbound transactions.
- 28 Checks only the interchange envelope and functional group headers; permits nonstandard transactions to be sent and received.
- 29 User-specified dates may be overridden.
- 30 Nonautomated; requires use of system editor.
- 31 Reports the number of bytes sent for each transaction set; the number of bytes per network is not reported.
- 32 BG header is not supported; TDCC is not supported.
- 33 Only once per day.
- 34 Requires dBASE 3.0 or higher.
- 35 Records are purged during the archiving process.
- 36 Requires some user intervention.
- 37 Reports the number of characters received from each network.
- 38 Will be available in the next product release.
- 39 Transaction sets are numbered only by functional group or by network.
- 40 Databases are automatically encrypted.
- 41 Interface file can be in ASCII, dBASE, or LOTUS 1-2-3 format.
- 42 Depends upon the transaction sets in use by the trading partner.
- 43 Requires knowledge of EDI standards.

TABLE E-1. MICROCOMPUTER TRANSLATION SOFTWARE SURVEY (CONTINUED)

Company and Product		Communications Features				System Interface				Customized Operations				Editing				System Maintenance				Reports				Support Features				Miscellaneous Features			
		Unattended Operations Capability		Data Input Screens		Input Editing		Multiple Header Support		Transaction Set Seq. Numbering		Version Table Support		Trading Partner		Outbound Sits		Inbound Sits		Automated Piping		Transmitted Characters		User-Derived Mgt. Reports		User Support (Hot Lines)		Help Screens		System Entry Security		Selective Accessibility	
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Dynamic Business Systems Trans-Sync	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No			
EDA Inc. TELINK	Yes ²⁹	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ²	No ^{19, 31}	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
EDN-ABLE FEDI	Yes	Yes	Yes ⁹	Yes	Yes ⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	Yes	Yes	Yes		
EDNCT Systems Formula_One	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ¹⁹	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No		
Electronic Data Systems EDI* Asset	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No		
Forsell Corp. Trading Partner PC	Yes	Yes	Yes	Yes	No ³²	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	Yes	Yes	Yes		
General Electric Information Services EDIPC	Yes ³³	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No ³⁵	No ¹⁹	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No		
Greco Computer Resources, Inc. EDI* Ware	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No		
Harbinger* EDI Services InTouch* EDI and InTouch* EDI Plus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Encrypted Passwords	No	No	No		
Integrated Telecommunications Software Corp. SDS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No		
Intracoastal Data Corp. FastTran	Yes ³⁶	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No		
International Business Machines PC QuickEDI and PC QuickEDI Plus	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No ¹⁹	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
LEX Product Marketing Company, Inc. EDipi	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	No ³⁸	No	No	No	No	No	No		
Lloyd Bush, Inc. X-Change	Yes	No	Yes	Yes	Yes	Yes	No ³⁹	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No ¹⁹	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No		

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		Yes	Yes ¹¹	Yes	Yes	Yes ⁵	Yes	Yes ⁴	Yes	Yes	Yes ⁶	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
MAXXUS, Inc. MAXX*EDI	Yes	Yes	Yes	Yes	Yes ⁵	Yes	Yes	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password ⁴⁰	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
MAXX*EDI-Entry	No	No	Yes	Yes	Yes ⁵	Yes	Yes	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password ⁴⁰	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
MAXX*TRANSLATOR	No	Yes ¹¹	Yes	Yes	Yes ⁵	Yes	Yes	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password ⁴⁰	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Perich Franz Consulting X-Caliber EDI	Yes	Yes ⁴¹	No	No	No ³²	Yes	Yes	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes ³⁵	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Perich EDI Incorporated ISM-EDI	Yes	Yes	Yes	Yes ¹⁸	Yes ⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Pradmont Systems, Inc. TEL EDI and EDI Engine	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes ⁴	Yes	Yes ²¹	Yes	Yes	Yes	Yes	Yes	No ¹⁹	No	No	Yes	Yes	Yes	No	Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
RF Parker Consulting APP-EDI	Yes	Yes ³	Yes ⁹	Yes ¹⁸	Yes ⁵	Yes ⁴	Yes	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes ^{6,22, 25}	No ¹⁹	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	Yes ³	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
RMS, Inc. RMS VLT	Yes	Yes ³	Yes	Yes ²⁶	Yes	Yes	Yes	Yes	Yes ⁴	Yes	Yes ²⁶	Yes	Yes	Yes	Yes	No ²	No	No	No	Yes	Yes	Yes	ID and Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Sprint InTouch*EDI and InTouch*EDI Plus	Yes	Yes ³	Yes	Yes	Yes	Yes	Yes	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes ^{6,25}	No	No	No	No	Yes	Yes	Yes	Yes	Encrypted Passwords	No	No	No	No	No	No	No		
St. Paul Software Interconn	Yes	Yes	Yes	Yes	Yes ⁵	Yes ⁴	Yes	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Password	No	No	No	No	No	No	No	No		
Starling Software GENTRAN*PC	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes ⁴	Yes	No	Yes	Yes	Yes	Yes ^{6,25}	No ¹⁹	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
GENTRAN*PC w/TDF	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes ⁴	Yes	No	Yes	Yes	Yes	Yes ^{6,25}	No ¹⁹	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
GENTRAN*PC w/TDF & Toolkit	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes ^{6,25}	No ¹⁹	Yes	Yes	Yes	Yes	Yes	Yes	ID and Password	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Supply Tech, Inc. STX	Yes	No	Yes ^{26, 28}	Yes	Yes	Yes ⁴	Yes	Yes	Yes ⁴	Yes	Yes ⁴²	No	Yes	Yes	Yes ^{26, 28}	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Synovate Systems, Inc. BIZBOX	Yes	Yes	Yes	Yes	Yes	Yes ⁴	Yes	Yes	Yes ⁴	Yes	Yes ⁴³	Yes	Yes	Yes	Yes ⁶	Yes	Yes	Yes	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	

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TABLE E-2. MINICOMPUTER TRANSLATION SOFTWARE SURVEY

Company and Product																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Unattended Operations Capability				Multiple Header Support				Trading Partner Profile				Compliance Editing				Automated Purg				Transmitted Characters				User-Defined Mgt. Reports		User Support (Hot Lines)		Help Screens		System Entry Security		Selective Accessibility																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Yes	No	N/A	N/A	No ¹	Yes ²	Yes ³	Yes ⁴	Yes ⁵	Yes ⁶	Yes ⁷	Yes ⁸	Yes ⁹	Yes ¹⁰	Yes ¹¹	Yes ¹²	Yes ¹³	Yes ¹⁴	Yes ¹⁵	Yes ¹⁶	Yes ¹⁷	Yes ¹⁸	Yes ¹⁹	Yes ²⁰	Yes ²¹	Yes ²²	Yes ²³	Yes ²⁴	Yes ²⁵	Yes ²⁶	Yes ²⁷	Yes ²⁸	Yes ²⁹	Yes ³⁰	Yes ³¹	Yes ³²	Yes ³³	Yes ³⁴	Yes ³⁵	Yes ³⁶	Yes ³⁷	Yes ³⁸	Yes ³⁹	Yes ⁴⁰	Yes ⁴¹	Yes ⁴²	Yes ⁴³	Yes ⁴⁴	Yes ⁴⁵	Yes ⁴⁶	Yes ⁴⁷	Yes ⁴⁸	Yes ⁴⁹	Yes ⁵⁰	Yes ⁵¹	Yes ⁵²	Yes ⁵³	Yes ⁵⁴	Yes ⁵⁵	Yes ⁵⁶	Yes ⁵⁷	Yes ⁵⁸	Yes ⁵⁹	Yes ⁶⁰	Yes ⁶¹	Yes ⁶²	Yes ⁶³	Yes ⁶⁴	Yes ⁶⁵	Yes ⁶⁶	Yes ⁶⁷	Yes ⁶⁸	Yes ⁶⁹	Yes ⁷⁰	Yes ⁷¹	Yes ⁷²	Yes ⁷³	Yes ⁷⁴	Yes ⁷⁵	Yes ⁷⁶	Yes ⁷⁷	Yes ⁷⁸	Yes ⁷⁹	Yes ⁸⁰	Yes ⁸¹	Yes ⁸²	Yes ⁸³	Yes ⁸⁴	Yes ⁸⁵	Yes ⁸⁶	Yes ⁸⁷	Yes ⁸⁸	Yes ⁸⁹	Yes ⁹⁰	Yes ⁹¹	Yes ⁹²	Yes ⁹³	Yes ⁹⁴	Yes ⁹⁵	Yes ⁹⁶	Yes ⁹⁷	Yes ⁹⁸	Yes ⁹⁹	Yes ¹⁰⁰	Yes ¹⁰¹	Yes ¹⁰²	Yes ¹⁰³	Yes ¹⁰⁴	Yes ¹⁰⁵	Yes ¹⁰⁶	Yes ¹⁰⁷	Yes ¹⁰⁸	Yes ¹⁰⁹	Yes ¹¹⁰	Yes ¹¹¹	Yes ¹¹²	Yes ¹¹³	Yes ¹¹⁴	Yes ¹¹⁵	Yes ¹¹⁶	Yes ¹¹⁷	Yes ¹¹⁸	Yes ¹¹⁹	Yes ¹²⁰	Yes ¹²¹	Yes ¹²²	Yes ¹²³	Yes ¹²⁴	Yes ¹²⁵	Yes ¹²⁶	Yes ¹²⁷	Yes ¹²⁸	Yes ¹²⁹	Yes ¹³⁰	Yes ¹³¹	Yes ¹³²	Yes ¹³³	Yes ¹³⁴	Yes ¹³⁵	Yes ¹³⁶	Yes ¹³⁷	Yes ¹³⁸	Yes ¹³⁹	Yes ¹⁴⁰	Yes ¹⁴¹	Yes ¹⁴²	Yes ¹⁴³	Yes ¹⁴⁴	Yes ¹⁴⁵	Yes ¹⁴⁶	Yes ¹⁴⁷	Yes ¹⁴⁸	Yes ¹⁴⁹	Yes ¹⁵⁰	Yes ¹⁵¹	Yes ¹⁵²	Yes ¹⁵³	Yes ¹⁵⁴	Yes ¹⁵⁵	Yes ¹⁵⁶	Yes ¹⁵⁷	Yes ¹⁵⁸	Yes ¹⁵⁹	Yes ¹⁶⁰	Yes ¹⁶¹	Yes ¹⁶²	Yes ¹⁶³	Yes ¹⁶⁴	Yes ¹⁶⁵	Yes ¹⁶⁶	Yes ¹⁶⁷	Yes ¹⁶⁸	Yes ¹⁶⁹	Yes ¹⁷⁰	Yes ¹⁷¹	Yes ¹⁷²	Yes ¹⁷³	Yes ¹⁷⁴	Yes ¹⁷⁵	Yes ¹⁷⁶	Yes ¹⁷⁷	Yes ¹⁷⁸	Yes ¹⁷⁹	Yes ¹⁸⁰	Yes ¹⁸¹	Yes ¹⁸²	Yes ¹⁸³	Yes ¹⁸⁴	Yes ¹⁸⁵	Yes ¹⁸⁶	Yes ¹⁸⁷	Yes ¹⁸⁸	Yes ¹⁸⁹	Yes ¹⁹⁰	Yes ¹⁹¹	Yes ¹⁹²	Yes ¹⁹³	Yes ¹⁹⁴	Yes ¹⁹⁵	Yes ¹⁹⁶	Yes ¹⁹⁷	Yes ¹⁹⁸	Yes ¹⁹⁹	Yes ²⁰⁰	Yes ²⁰¹	Yes ²⁰²	Yes ²⁰³	Yes ²⁰⁴	Yes ²⁰⁵	Yes ²⁰⁶	Yes ²⁰⁷	Yes ²⁰⁸	Yes ²⁰⁹	Yes ²¹⁰	Yes ²¹¹	Yes ²¹²	Yes ²¹³	Yes ²¹⁴	Yes ²¹⁵	Yes ²¹⁶	Yes ²¹⁷	Yes ²¹⁸	Yes ²¹⁹	Yes ²²⁰	Yes ²²¹	Yes ²²²	Yes ²²³	Yes ²²⁴	Yes ²²⁵	Yes ²²⁶	Yes ²²⁷	Yes ²²⁸	Yes ²²⁹	Yes ²³⁰	Yes ²³¹	Yes ²³²	Yes ²³³	Yes ²³⁴	Yes ²³⁵	Yes ²³⁶	Yes ²³⁷	Yes ²³⁸	Yes ²³⁹	Yes ²⁴⁰	Yes ²⁴¹	Yes ²⁴²	Yes ²⁴³	Yes ²⁴⁴	Yes ²⁴⁵	Yes ²⁴⁶	Yes ²⁴⁷	Yes ²⁴⁸	Yes ²⁴⁹	Yes ²⁵⁰	Yes ²⁵¹	Yes ²⁵²	Yes ²⁵³	Yes ²⁵⁴	Yes ²⁵⁵	Yes ²⁵⁶	Yes ²⁵⁷	Yes ²⁵⁸	Yes ²⁵⁹	Yes ²⁶⁰	Yes ²⁶¹	Yes ²⁶²	Yes ²⁶³	Yes ²⁶⁴	Yes ²⁶⁵	Yes ²⁶⁶	Yes ²⁶⁷	Yes ²⁶⁸	Yes ²⁶⁹	Yes ²⁷⁰	Yes ²⁷¹	Yes ²⁷²	Yes ²⁷³	Yes ²⁷⁴	Yes ²⁷⁵	Yes ²⁷⁶	Yes ²⁷⁷	Yes ²⁷⁸	Yes ²⁷⁹	Yes ²⁸⁰	Yes ²⁸¹	Yes ²⁸²	Yes ²⁸³	Yes ²⁸⁴	Yes ²⁸⁵	Yes ²⁸⁶	Yes ²⁸⁷	Yes ²⁸⁸	Yes ²⁸⁹	Yes ²⁹⁰	Yes ²⁹¹	Yes ²⁹²	Yes ²⁹³	Yes ²⁹⁴	Yes ²⁹⁵	Yes ²⁹⁶	Yes ²⁹⁷	Yes ²⁹⁸	Yes ²⁹⁹	Yes ³⁰⁰	Yes ³⁰¹	Yes ³⁰²	Yes ³⁰³	Yes ³⁰⁴	Yes ³⁰⁵	Yes ³⁰⁶	Yes ³⁰⁷	Yes ³⁰⁸	Yes ³⁰⁹	Yes ³¹⁰	Yes ³¹¹	Yes ³¹²	Yes ³¹³	Yes ³¹⁴	Yes ³¹⁵	Yes ³¹⁶	Yes ³¹⁷	Yes ³¹⁸	Yes ³¹⁹	Yes ³²⁰	Yes ³²¹	Yes ³²²	Yes ³²³	Yes ³²⁴	Yes ³²⁵	Yes ³²⁶	Yes ³²⁷	Yes ³²⁸	Yes ³²⁹	Yes ³³⁰	Yes ³³¹	Yes ³³²	Yes ³³³	Yes ³³⁴	Yes ³³⁵	Yes ³³⁶	Yes ³³⁷	Yes ³³⁸	Yes ³³⁹	Yes ³⁴⁰	Yes ³⁴¹	Yes ³⁴²	Yes ³⁴³	Yes ³⁴⁴	Yes ³⁴⁵	Yes ³⁴⁶	Yes ³⁴⁷	Yes ³⁴⁸	Yes ³⁴⁹	Yes ³⁵⁰	Yes ³⁵¹	Yes ³⁵²	Yes ³⁵³	Yes ³⁵⁴	Yes ³⁵⁵	Yes ³⁵⁶	Yes ³⁵⁷	Yes ³⁵⁸	Yes ³⁵⁹	Yes ³⁶⁰	Yes ³⁶¹	Yes ³⁶²	Yes ³⁶³	Yes ³⁶⁴	Yes ³⁶⁵	Yes ³⁶⁶	Yes ³⁶⁷	Yes ³⁶⁸	Yes ³⁶⁹	Yes ³⁷⁰	Yes ³⁷¹	Yes ³⁷²	Yes ³⁷³	Yes ³⁷⁴	Yes ³⁷⁵	Yes ³⁷⁶	Yes ³⁷⁷	Yes ³⁷⁸	Yes ³⁷⁹	Yes ³⁸⁰	Yes ³⁸¹	Yes ³⁸²	Yes ³⁸³	Yes ³⁸⁴	Yes ³⁸⁵	Yes ³⁸⁶	Yes ³⁸⁷	Yes ³⁸⁸	Yes ³⁸⁹	Yes ³⁹⁰	Yes ³⁹¹	Yes ³⁹²	Yes ³⁹³	Yes ³⁹⁴	Yes ³⁹⁵	Yes ³⁹⁶	Yes ³⁹⁷	Yes ³⁹⁸	Yes ³⁹⁹	Yes ⁴⁰⁰	Yes ⁴⁰¹	Yes ⁴⁰²	Yes ⁴⁰³	Yes ⁴⁰⁴	Yes ⁴⁰⁵	Yes ⁴⁰⁶	Yes ⁴⁰⁷	Yes ⁴⁰⁸	Yes ⁴⁰⁹	Yes ⁴¹⁰	Yes ⁴¹¹	Yes ⁴¹²	Yes ⁴¹³	Yes ⁴¹⁴	Yes ⁴¹⁵	Yes ⁴¹⁶	Yes ⁴¹⁷	Yes ⁴¹⁸	Yes ⁴¹⁹	Yes ⁴²⁰	Yes ⁴²¹	Yes ⁴²²	Yes ⁴²³	Yes ⁴²⁴	Yes ⁴²⁵	Yes ⁴²⁶	Yes ⁴²⁷	Yes ⁴²⁸	Yes ⁴²⁹	Yes ⁴³⁰	Yes ⁴³¹	Yes ⁴³²	Yes ⁴³³	Yes ⁴³⁴	Yes ⁴³⁵	Yes ⁴³⁶	Yes ⁴³⁷	Yes ⁴³⁸	Yes ⁴³⁹	Yes ⁴⁴⁰	Yes ⁴⁴¹	Yes ⁴⁴²	Yes ⁴⁴³	Yes ⁴⁴⁴	Yes ⁴⁴⁵	Yes ⁴⁴⁶	Yes ⁴⁴⁷	Yes ⁴⁴⁸	Yes ⁴⁴⁹	Yes ⁴⁵⁰	Yes ⁴⁵¹	Yes ⁴⁵²	Yes ⁴⁵³	Yes ⁴⁵⁴	Yes ⁴⁵⁵	Yes ⁴⁵⁶	Yes ⁴⁵⁷	Yes ⁴⁵⁸	Yes ⁴⁵⁹	Yes ⁴⁶⁰	Yes ⁴⁶¹	Yes ⁴⁶²	Yes ⁴⁶³	Yes ⁴⁶⁴	Yes ⁴⁶⁵	Yes ⁴⁶⁶	Yes ⁴⁶⁷	Yes ⁴⁶⁸	Yes ⁴⁶⁹	Yes ⁴⁷⁰	Yes ⁴⁷¹	Yes ⁴⁷²	Yes ⁴⁷³	Yes ⁴⁷⁴	Yes ⁴⁷⁵	Yes ⁴⁷⁶	Yes ⁴⁷⁷	Yes ⁴⁷⁸	Yes ⁴⁷⁹	Yes ⁴⁸⁰	Yes ⁴⁸¹	Yes ⁴⁸²	Yes ⁴⁸³	Yes ⁴⁸⁴	Yes ⁴⁸⁵	Yes ⁴⁸⁶	Yes ⁴⁸⁷	Yes ⁴⁸⁸	Yes ⁴⁸⁹	Yes ⁴⁹⁰	Yes ⁴⁹¹	Yes ⁴⁹²	Yes ⁴⁹³	Yes ⁴⁹⁴	Yes ⁴⁹⁵	Yes ⁴⁹⁶	Yes ⁴⁹⁷	Yes ⁴⁹⁸	Yes ⁴⁹⁹	Yes ⁵⁰⁰	Yes ⁵⁰¹	Yes ⁵⁰²	Yes ⁵⁰³	Yes ⁵⁰⁴	Yes ⁵⁰⁵	Yes ⁵⁰⁶	Yes ⁵⁰⁷	Yes ⁵⁰⁸	Yes ⁵⁰⁹	Yes ⁵¹⁰	Yes ⁵¹¹	Yes ⁵¹²	Yes ⁵¹³	Yes ⁵¹⁴	Yes ⁵¹⁵	Yes ⁵¹⁶	Yes ⁵¹⁷	Yes ⁵¹⁸	Yes ⁵¹⁹	Yes ⁵²⁰	Yes ⁵²¹	Yes ⁵²²	Yes ⁵²³	Yes ⁵²⁴	Yes ⁵²⁵	Yes ⁵²⁶	Yes ⁵²⁷	Yes ⁵²⁸	Yes ⁵²⁹	Yes ⁵³⁰	Yes ⁵³¹	Yes ⁵³²	Yes ⁵³³	Yes ⁵³⁴	Yes ⁵³⁵	Yes ⁵³⁶	Yes ⁵³⁷	Yes ⁵³⁸	Yes ⁵³⁹	Yes ⁵⁴⁰	Yes ⁵⁴¹	Yes ⁵⁴²	Yes ⁵⁴³	Yes ⁵⁴⁴	Yes ⁵⁴⁵	Yes ⁵⁴⁶	Yes ⁵⁴⁷	Yes ⁵⁴⁸	Yes ⁵⁴⁹	Yes ⁵⁵⁰	Yes ⁵⁵¹	Yes ⁵⁵²	Yes ⁵⁵³	Yes ⁵⁵⁴	Yes ⁵⁵⁵	Yes ⁵⁵⁶	Yes ⁵⁵⁷	Yes ⁵⁵⁸	Yes ⁵⁵⁹	Yes ⁵⁶⁰	Yes ⁵⁶¹	Yes ⁵⁶²	Yes ⁵⁶³	Yes ⁵⁶⁴	Yes ⁵⁶⁵	Yes ⁵⁶⁶	Yes ⁵⁶⁷	Yes ⁵⁶⁸	Yes ⁵⁶⁹	Yes ⁵⁷⁰	Yes ⁵⁷¹	Yes ⁵⁷²	Yes ⁵⁷³	Yes ⁵⁷⁴	Yes ⁵⁷⁵	Yes ⁵⁷⁶	Yes ⁵⁷⁷	Yes ⁵⁷⁸	Yes ⁵⁷⁹	Yes ⁵⁸⁰	Yes ⁵⁸¹	Yes ⁵⁸²	Yes ⁵⁸³	Yes ⁵⁸⁴	Yes ⁵⁸⁵	Yes ⁵⁸⁶	Yes ⁵⁸⁷	Yes ⁵⁸⁸	Yes ⁵⁸⁹	Yes ⁵⁹⁰	Yes ⁵⁹¹	Yes ⁵⁹²	Yes ⁵⁹³	Yes ⁵⁹⁴	Yes ⁵⁹⁵	Yes ⁵⁹⁶	Yes ⁵⁹⁷	Yes ⁵⁹⁸	Yes ⁵⁹⁹	Yes ⁶⁰⁰	Yes ⁶⁰¹	Yes ⁶⁰²	Yes ⁶⁰³	Yes ⁶⁰⁴	Yes ⁶⁰⁵	Yes ⁶⁰⁶	Yes ⁶⁰⁷	Yes ⁶⁰⁸	Yes ⁶⁰⁹	Yes ⁶¹⁰	Yes ⁶¹¹	Yes ⁶¹²	Yes ⁶¹³	Yes ⁶¹⁴	Yes ⁶¹⁵	Yes ⁶¹⁶	Yes ⁶¹⁷	Yes ⁶¹⁸	Yes ⁶¹⁹	Yes ⁶²⁰	Yes ⁶²¹	Yes ⁶²²	Yes ⁶²³	Yes ⁶²⁴	Yes ⁶²⁵	Yes ⁶²⁶	Yes ⁶²⁷	Yes ⁶²⁸	Yes ⁶²⁹	Yes ⁶³⁰	Yes ⁶³¹	Yes ⁶³²	Yes ⁶³³	Yes ⁶³⁴	Yes ⁶³⁵	Yes ⁶³⁶	Yes ⁶³⁷	Yes ⁶³⁸	Yes ⁶³⁹	Yes ⁶⁴⁰	Yes ⁶⁴¹	Yes ⁶⁴²	Yes ⁶⁴³	Yes ⁶⁴⁴	Yes ⁶⁴⁵	Yes ⁶⁴⁶	Yes ⁶⁴⁷	Yes ⁶⁴⁸	Yes ⁶⁴⁹	Yes ⁶⁵⁰	Yes ⁶⁵¹	Yes ⁶⁵²	Yes ⁶⁵³	Yes ⁶⁵⁴	Yes ⁶⁵⁵	Yes ⁶⁵⁶	Yes ⁶⁵⁷	Yes ⁶⁵⁸	Yes ⁶⁵⁹	Yes ⁶⁶⁰	Yes ⁶⁶¹	Yes ⁶⁶²	Yes ⁶⁶³	Yes ⁶⁶⁴	Yes ⁶⁶⁵	Yes ⁶⁶⁶	Yes ⁶⁶⁷	Yes ⁶⁶⁸	Yes ⁶⁶⁹	Yes ⁶⁷⁰	Yes ⁶⁷¹	Yes ⁶⁷²	Yes ⁶⁷³	Yes ⁶⁷⁴	Yes ⁶⁷⁵	Yes ⁶⁷⁶	Yes ⁶⁷⁷	Yes ⁶⁷⁸	Yes ⁶⁷⁹	Yes ⁶⁸⁰	Yes ⁶⁸¹	Yes ⁶⁸²	Yes ⁶⁸³	Yes ⁶⁸⁴	Yes ⁶⁸⁵	Yes ⁶⁸⁶	Yes ⁶⁸⁷	Yes ⁶⁸⁸	Yes ⁶⁸⁹	Yes ⁶⁹⁰	Yes ⁶⁹¹	Yes ⁶⁹²	Yes ⁶⁹³	Yes ⁶⁹⁴	Yes ⁶⁹⁵	Yes ⁶⁹⁶	Yes ⁶⁹⁷	Yes ⁶⁹⁸	Yes ⁶⁹⁹	Yes ⁷⁰⁰	Yes ⁷⁰¹	Yes ⁷⁰²	Yes ⁷⁰³	Yes ⁷⁰⁴	Yes ⁷⁰⁵	Yes ⁷⁰⁶	Yes ⁷⁰⁷	Yes ⁷⁰⁸	Yes ⁷⁰⁹	Yes ⁷¹⁰	Yes ⁷¹¹	Yes ⁷¹²	Yes ⁷¹³	Yes ⁷¹⁴	Yes ⁷¹⁵	Yes ⁷¹⁶	Yes ⁷¹⁷	Yes ⁷¹⁸	Yes ⁷¹⁹	Yes ⁷²⁰	Yes ⁷²¹	Yes ⁷²²	Yes ⁷²³	Yes ⁷²⁴	Yes ⁷²⁵	Yes ⁷²⁶	Yes ⁷²⁷	Yes ⁷²⁸	Yes ⁷²⁹	Yes ⁷³⁰	Yes ⁷³¹	Yes ⁷³²	Yes ⁷³³	Yes ⁷³⁴	Yes ⁷³⁵	Yes ⁷³⁶	Yes ⁷³⁷	Yes ⁷³⁸	Yes ⁷³⁹	Yes ⁷⁴⁰	Yes ⁷⁴¹	Yes ⁷⁴²	Yes ⁷⁴³	Yes ⁷⁴⁴	Yes ⁷⁴⁵	Yes ⁷⁴⁶	Yes ⁷⁴⁷	Yes ⁷⁴⁸	Yes ⁷⁴⁹	Yes ⁷⁵⁰	Yes ⁷⁵¹	Yes ⁷⁵²	Yes ⁷⁵³	Yes ⁷⁵⁴	Yes ⁷⁵⁵	Yes ⁷⁵⁶	Yes ⁷⁵⁷	Yes ⁷⁵⁸	Yes ⁷⁵⁹	Yes ⁷⁶⁰	Yes ⁷⁶¹	Yes ⁷⁶²	Yes ⁷⁶³	Yes ⁷⁶⁴	Yes ⁷⁶⁵	Yes ⁷⁶⁶	Yes ⁷⁶⁷	Yes ⁷⁶⁸	Yes ⁷⁶⁹	Yes ⁷⁷⁰	Yes ⁷⁷¹	Yes ⁷⁷²	Yes ⁷⁷³	Yes ⁷⁷⁴	Yes ⁷⁷⁵	Yes ⁷⁷⁶	Yes ⁷⁷⁷	Yes ⁷⁷⁸	Yes ⁷⁷⁹	Yes ⁷⁸⁰	Yes ⁷⁸¹	Yes ⁷⁸²	Yes ⁷⁸³	Yes ⁷⁸⁴	Yes ⁷⁸⁵	Yes ⁷⁸⁶	Yes ⁷⁸⁷	Yes ⁷⁸⁸	Yes ⁷⁸⁹	Yes ⁷⁹⁰	Yes ⁷⁹¹	Yes ⁷⁹²	Yes ⁷⁹³	Yes ⁷⁹⁴	Yes ⁷⁹⁵	Yes ⁷⁹⁶	Yes ⁷⁹⁷	Yes ⁷⁹⁸	Yes ⁷⁹⁹	Yes ⁸⁰⁰	Yes ⁸⁰¹	Yes ⁸⁰²	Yes ⁸⁰³	Yes ⁸⁰⁴	Yes ⁸⁰⁵	Yes ⁸⁰⁶	Yes ⁸⁰⁷	Yes ⁸⁰⁸	Yes ⁸⁰⁹	Yes ⁸¹⁰	Yes ⁸¹¹	Yes ⁸¹²	Yes ⁸¹³	Yes ⁸¹⁴	Yes ⁸¹⁵	Yes ⁸¹⁶	Yes ⁸¹⁷	Yes ⁸¹⁸	Yes ⁸¹⁹	Yes ⁸²⁰	Yes ⁸²¹	Yes ⁸²²	Yes ⁸²³	Yes ⁸²⁴	Yes ⁸²⁵	Yes ⁸²⁶	Yes ⁸²⁷	Yes ⁸²⁸	Yes ⁸²⁹	Yes ⁸³⁰	Yes ⁸³¹	Yes ⁸³²	Yes ⁸³³	Yes ⁸³⁴	Yes ⁸³⁵	Yes ⁸³⁶	Yes ⁸³⁷	Yes ⁸³⁸	Yes ⁸³⁹	Yes ⁸⁴⁰	Yes ⁸⁴¹	Yes ⁸⁴²	Yes ⁸⁴³	Yes ⁸⁴⁴	Yes ⁸⁴⁵	Yes ⁸⁴⁶	Yes ⁸⁴⁷	Yes ⁸⁴⁸	Yes ⁸⁴⁹	Yes ⁸⁵⁰	Yes ⁸⁵¹	Yes ⁸⁵²	Yes ⁸⁵³	Yes ⁸⁵⁴	Yes ⁸⁵⁵	Yes ⁸⁵⁶	Yes ⁸⁵⁷	Yes ⁸⁵⁸	Yes ⁸⁵⁹	Yes ⁸⁶⁰	Yes ⁸⁶¹	Yes ⁸⁶²	Yes ⁸⁶³	Yes ⁸⁶⁴	Yes ⁸⁶⁵	Yes ⁸⁶⁶	Yes ⁸⁶⁷	Yes ⁸⁶⁸	Yes ⁸⁶⁹	Yes ⁸⁷⁰	Yes ⁸⁷¹	Yes ⁸⁷²	Yes ⁸⁷³	Yes ⁸⁷⁴ </

- 1 BG header is not supported; TDCC is not supported.
 - 2 Supports the EDIFACT header UNA/UNB.
 - 3 May be specified for each transaction set used by a trading partner.
 - 4 Requires vendor assistance.
 - 5 Data element codes are also validated.
 - 6 Will provide interface to another database or sell user a turnkey Informix solution (SQL or report writer).
 - 7 Nonautomated; available via menu selection or "pull-up window."
 - 8 Compliance editing occurs after input screen has been completed.
 - 9 Only available on the HP3000.
 - 10 Maps data directly between database and EDI transaction sets. A flat-file format is available.
 - 11 User may add or delete codes for each trading partner.
 - 12 Reports the number of transaction sets sent by each trading partner.
 - 13 Reports the number of bytes sent for each transaction set; the number of bytes per network is not reported.
 - 14 Can be customized by user.
 - 15 A shell written in COBOL is provided; programmer must complete the PROCEDURE division.
 - 16 Source code for menus and reports is provided.
 - 17 Requires a report writer.
 - 18 Toll-free 800 telephone number.
-
- 19 Requires a different map for each affected trading partner's transaction set.
 - 20 Available for an additional fee.
 - 21 Only checks header controls on inbound transactions.
 - 22 User-specified dates may be overridden.
 - 23 Nonautomated; requires use of system editor.
 - 24 "Batch" mode only.
 - 25 Requires purchase of data mapping product (EDImap).
 - 26 Requires some user intervention.
 - 27 Reports the number of characters received from each EDI VAN.
 - 28 Only once per day.
 - 29 Available upon user request. Limited screens are available.
 - 30 Data dictionary is supplied for use with a report generator; suggest purchasing IBM's "Query" product.
 - 31 Will be available in the next product release.
 - 32 Records are purged during archiving process.
 - 33 Also indicates the number of segments transmitted; Ordernet's network bills by the number of segments sent.
 - 34 Only outbound transmissions are numbered.
 - 35 User can control the level of checking for each trading partner.
 - 36 Specific data element editing requirements can be specified for each trading partner.
 - 37 "Rejected" transaction sets can be optionally accepted.

TABLE E-2. MINICOMPUTER TRANSLATION SOFTWARE SURVEY (CONTINUED)

Company and Product		Communications Features				System Interface				Customized Operations				Editing				System Maintenance				Reports				Support Features				Miscellaneous Features																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Unattended Operations Capability				Data Input Screens				Input Editing				Multiple Header Support				Transaction Set Seq. Numbering				Version Support Table				Trading Partner Profile				Compliance Editing				Inbound Sids				Automated Purgng				Transmitted Characters				User-Defined Mgt. Reports				User Support (Hot Lines)				Help Screens				System Entry				Selective Accessibility																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		User-Definable System Interface				Multiple Support				Transaction Set Seq.				Version Support				Inbound Sids				Compliance Editing				Outbound Sids				Profile Partner				Compliance Editing				Inbound Sids				Automated Purgng				Transmitted Characters				User-Defined Mgt. Reports				User Support (Hot Lines)				Help Screens				System Entry				Selective Accessibility																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Yes ²⁸	No	Yes ²⁹	No	Yes	Yes ²	No	Yes ³	No	Yes ³	Yes	Yes ⁵	No	Yes ³	Yes	Yes ⁵	Yes	Yes ⁵	No ¹²	Yes	Yes ⁵	No ^{16,30}	Yes ¹⁸	Yes	Yes	Yes ¹⁸	No ³¹	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

- 1 BG header is not supported; TDCC is not supported.
 - 2 Supports the EDIFACT header UNA/UNB.
 - 3 May be specified for each transaction set used by a trading partner.
 - 4 Requires vendor assistance.
 - 5 Data element codes are also validated.
 - 6 Will provide interface to another database or sell user a turnkey Informix solution (SQL or report writer).
 - 7 Nonautomated; available via menu selection or "pull-up window."
 - 8 Compliance editing occurs after input screen has been completed.
 - 9 Only available on the HP3000.
 - 10 Maps data directly between database and EDI transaction sets. A flat-file format is available.
 - 11 User may add or delete codes for each trading partner.
 - 12 Reports the number of transaction sets sent by each trading partner.
 - 13 Reports the number of bytes sent for each transaction set; the number of bytes per network is not reported.
 - 14 Can be customized by user.
 - 15 A shell written in COBOL is provided; programmer must complete the PROCEDURE division.
 - 16 Source code for menus and reports is provided.
 - 17 Requires a report writer.
 - 18 Toll-free 800 telephone number.
-
- 19 Requires a different map for each affected trading partner's transaction set.
 - 20 Available for an additional fee.
 - 21 Only checks header controls on inbound transactions.
 - 22 User-specified dates may be overridden.
 - 23 Nonautomated; requires use of system editor.
 - 24 "Batch" mode only.
 - 25 Requires purchase of data mapping product (EDImap).
 - 26 Requires some user intervention.
 - 27 Reports the number of characters received from each EDI VAN.
 - 28 Only once per day.
 - 29 Available upon user request. Limited screens are available.
 - 30 Data dictionary is supplied for use with a report generator; suggest purchasing IBM's "Query" product.
 - 31 Will be available in the next product release.
 - 32 Records are purged during archiving process.
 - 33 Also indicates the number of segments transmitted; Ordernet's network bills by the number of segments sent.
 - 34 Only outbound transmissions are numbered.
 - 35 User can control the level of checking for each trading partner.
 - 36 Specific data element editing requirements can be specified for each trading partner.
 - 37 "Rejected" transaction sets can be optionally accepted.

TABLE E-3. MAINFRAME TRANSLATION SOFTWARE SURVEY

Company and Product	Communications Features				System Interface				Customized Operations				Editing				System Maintenance		Reports		Support Features		Miscellaneous Features	
	Unattended Operation Capability	User-Defined System Interface	Data Input Screens	Input Editing	Multiple Header Support	Transaction Set Seq. Numbering	Version Support	Trading Partner Profile	Outbound Sds Compliance Editing	Inbound Sds Compliance Editing	Automated Piping	Transmitted Characters	User-Derived Mgt. Reports	User Support (Hot Lines)	Help Screens	System Entry Security	Selective Accessibility							
	Yes ¹	No	N/A	Yes ²	Yes	Yes ³	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes							
Digital Equipment DEC/EDI	Yes ⁴	No	N/A	Yes ²	Yes	Yes ³	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes							
EDI Solutions, Inc. EDtran and EDIfast	Yes ⁴	Yes ^{1,5}	N/A	Yes ²	Yes	Yes ³	Yes ⁵	Yes ⁶	Yes ⁶	Yes ⁶	Yes	No ⁷	Yes	Yes	Yes	Yes	No							
General Electric Information Services EDI*Central	Yes	Yes ⁹	N/A	Yes ²	Yes	Yes ³	Yes	Yes ⁶	Yes ⁶	Yes ⁶	Yes	No ⁷	Yes ¹¹	Yes ¹²	No	No	No							
EDI*Benchmark	Yes	Yes	N/A	Yes ²	Yes	Yes ³	Yes	Yes ⁶	Yes ⁶	Yes ⁶	Yes	No ⁷	Yes ^{8,10}	Yes ¹¹	No	No	No							
International Business Machines Data Interchange/MVS and Data Interchange/CICS	Yes ¹³	Yes	Yes	Yes	Yes	Yes	Yes ¹⁴	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes							
St. Paul Software Datarun	Yes	Yes	N/A	Yes	Yes ³	Yes ³	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes							
Sealing Software GENTRAN and GENTRAN Plus	Yes ¹⁵	Yes	N/A	Yes ²	Yes ³	Yes ³	Yes	Yes ⁶	Yes ⁶	Yes ⁶	Yes ¹³	Yes ¹⁶	Yes ¹¹	No	Yes	ID and Password	ID and Password							
Translator* MVS, Translator*VSE, and Translator Plus	Yes	Yes	N/A	Yes ²	Yes	Yes ³	Yes ^{14,17}	Yes ⁶	Yes ^{6,18}	Yes	Yes	Yes	Yes ¹¹	Yes	Yes	ID and Password	ID and Password							
TSI International Trading Partner	Yes ¹³	Yes	N/A	Yes	Yes	Yes ³	Yes	Yes ⁶	Yes ⁶	Yes ⁶	Yes	Yes	Yes	No	Yes	ID and Password	ID and Password							
Supply Tech STX12 for the Mainframe	Yes	No	Yes ^{14,19}	Yes ²	Yes ³	Yes ³	Yes	No	Yes ^{14,19}	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							

- 1 Available for an additional fee.
- 2 Supports the EDIFACT header UNA/UNB.
- 3 May be specified for each transaction set used by a trading partner.
- 4 "Batch" mode only.
- 5 Requires purchase of data mapping product (EDImap).
- 6 Data element codes are also validated.
- 7 Reports the number of transaction sets sent by each trading partner.
- 8 Source code for menus and reports is provided.
- 9 A shell written in COBOL is provided; programmer must complete the PROCEDURE division.
- 10 Requires a report writer.
- 11 Toll-free 800 telephone number.
- 12 For CICS portion only.
- 13 Requires the use of operating system utilities.
- 14 Specific data element editing requirements can be specified for each trading partner.
- 15 Only in GENTRAN Plus; may be set up by transaction set, trading partner, or network.
- 16 Also indicates number of segments transmitted; OrderNet's network bills by the number of segments sent.
- 17 Nonautomated; requires use of system editor.
- 18 "Rejected" transaction sets can be optionally accepted.
- 19 Checks only the interchange envelope and functional group headers; permits nonstandard transactions to be sent and received.

APPENDIX F

SELECTING EDI TRANSLATION SOFTWARE

This appendix discusses how this guide can be used to aid in the selection of EDI translation software for Military Department or Defense agency activities. A step-by-step procedure for selecting EDI translation software for a particular activity follows:

- Identify the activity's EDI data processing requirements, including the application system that will be integrated with the EDI translation software.
- Identify the hardware and corresponding operating system upon which the EDI software will reside. Categorize the hardware as microcomputer, minicomputer, or mainframe and determine the EDI translation software requirements for a specific activity. Use Appendix D to identify the functions and features required by the EDI translation software package for the specific operating environment.
- Use Appendix A to identify those vendors that sell software for the desired hardware environment (microcomputer, minicomputer, or mainframe) or Appendix B if Unix-based software is required.
- Use Appendix C to look up the detailed software product offerings and descriptions for those vendors identified in the previous step. Identify those vendor products that offer EDI translation software for the required hardware and operating system.
- Determine if the products identified in the previous step satisfy the activity's major EDI translation software requirements by using Appendix E, Software Product Survey Results.

In most cases, more than one product will meet an activity's requirements. We then suggest that product literature be requested from those vendors and, procurement rules permitting, we also advise a product demonstration. If only one product meets an activity's requirements, we recommend that a test copy be obtained and tested on the system that is to become EDI capable.

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This guide identifies and provides details on 110 commercially available electronic data interchange (EDI) translation software packages. It was developed for use by the Military Departments and Defense agencies as they procure EDI translation software packages in support of the Department of Defense's (DoD's) EDI program for transportation. However, other DoD entities with an EDI program should find this guide useful.

This guide assesses the key features of each package, details a list of functions available in a particular software package, and highlights those features required to meet the EDI needs of Defense transportation in specific operating environments.

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